QB
6
S9

YF02495

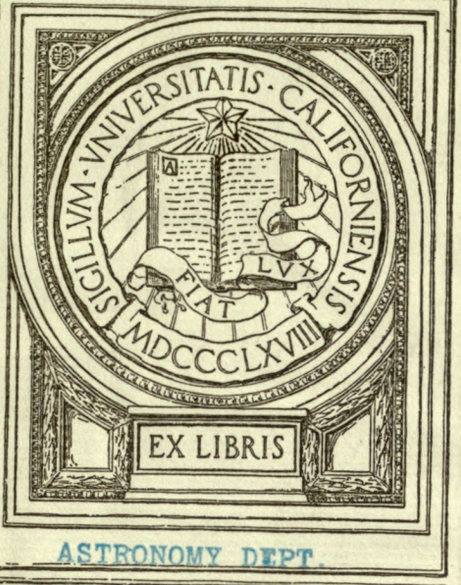
UC-NRLF
$C 34 404

SYDNEY OBSERVATORY.

CATALOGUE OF 1068 STARS.

Ex Libris

GIFT OF
Astronomical Society
Of The Pacific



EX LIBRIS

ASTRONOMY DEPT.

CATALOGUE

OF

1068 "INTERMEDIATE" STARS

Situated between 51° and 65° South Declination

FOR THE EQUINOX 1900

UNIV. OF CALIFORNIA

FROM OBSERVATIONS MADE AT THE

SYDNEY OBSERVATORY

New South Wales, Australia.

DURING THE YEARS 1918–1919

UNDER THE DIRECTION OF

W. ERNEST COOKE, M.A.

Government Astronomer, and Professor of Astronomy, at the Sydney University

---

SYDNEY

WILLIAM APPLEGATE GULLICK, GOVERNMENT PRINTER.

1921

*35255—a

QB6
S9
Astron. Dept.

gift of Astron. Soc. of the Pacific
ASTRONOMY DEPT.

UNIV. OF
CALIFORNIA

CATALOGUE OF 1068 "INTERMEDIATE" STARS,

FOR THE EQUINOX 1900.

INTRODUCTION.

At the International Astrographic Congress, held in Paris in 1909, it was resolved that three lists of Stars, viz., Fundamental, Intermediate, and Reference, should be prepared, and that transit observers should be requested to make these, as far as practicable, the bases of their working catalogues. It was intended that the Intermediate and Reference Stars should be observed by differential methods, the former being used as standards for the latter, and in their turn depending upon the Fundamentals.

Meridian observations based upon this principle were commenced at the Sydney Observatory on 11th March, 1918, the first selection of stars being the list of Intermediates between 51° and 65° South declination, supplied in manuscript by the sub-committee of the Astrographic Congress; and the present catalogue gives the results of those observations. This list was accepted as a working catalogue, but it was found necessary, or at least advisable, to modify it to a considerable extent. I felt justified in doing this, because I believe the Sydney Observatory is the first to form a catalogue of this particular series of stars, and therefore any alterations will not affect other workers in the same field. I hope therefore that the list, as now amended, will be generally accepted.

The principle of making the catalogued positions depend upon those of the Fundamental Stars within the same region has been applied more rigidly than hitherto. A full description of the methods of observing and computing is given in the "Monthly Notices, R.A.S.," LXXIX, No. 1, November, 1918. As these differ radically from those in general use it is requested that any astronomers who are specially interested in the accuracy of this catalogue will read the above-mentioned article. Briefly, observations are limited entirely to stars within the zone 51°–65°, and special observations for level and azimuth errors are eliminated. All necessary instrumental errors (except collimation) are deduced in a manner analogous to that employed in the computation of astrographic plate constants. That is to say, that after the application of differential star reductions for precession, &c., the observed transit is subject to a correction of the form

$$ax + ty + Z$$

where $a = \tan \delta$, t = time elapsed since some adopted whole hour, y = clock rate. The quantities x, y, and Z are determined from the Fundamental

701413

Stars by means of a simple least square solution, and then, for each individual star, Fundamental or Intermediate, the observed time of transit + differential reduction + ax + ty + Z = mean R.A. at the commencement of the year.

The declination observations are treated in an analogous manner.

Transit observations of all stars brighter than about the 8·5 or 9th magnitude were made by means of a hand-driven transit micrometer. When the observer considered that a star was too faint to be followed, he used a hand-key and a fixed series of seven wires. A number of stars between the 8th and 9th magnitude were taken, sometimes by one method, and sometimes by the other. From these a determination of the difference, due to change of collimation and personal equation, was made; and this amount (viz., $-0^s{\cdot}22$) has been applied to all transits taken over the fixed set of wires. No corrections for magnitude equation, other than the above, have been applied.

All transits were observed by Mr. W. E. Raymond, and all circle-readings by Mr. H. Cranney.

The positions of the Fundamental Stars, adopted as the basis of computation, were taken from the Cape Fundamental Catalogue for 1900. Only those between declinations 50° and 66° South, and whose proper motions are tabulated, were used. It follows that any systematic corrections, such, for example, as are indicated in the final note of the "Introduction" to the Cape Catalogue, are also applicable to these Intermediate Stars.

A comparison between the positions of the stars common to the two catalogues shows mean differences of

$$0^s{\cdot}001 \text{ and } 0''{\cdot}02$$

respectively. This, of course, indicates that, on the whole, the adopted positions of the Fundamental Stars are correctly reproduced, and that there is no systematic difference between the Cape and Sydney catalogues.

Taking the figures as mere accidental differences, irrespective of signs, we obtain mean of

$$0^s{\cdot}021 \text{ and } 0''{\cdot}32,$$

and this gives a fair working criterion of the order of accuracy of the present catalogue.

Looking at this matter from another aspect, the probable errors of a single observation, determined from the residuals of a great number of comparisons between individual positions and the means of ten or more observations, are

$$\pm 0^s{\cdot}019 \sec \delta \text{ and } \pm 0''{\cdot}40,$$

and these, for a catalogued position are approximately equivalent to

$$\pm 0^s{\cdot}006 \sec \delta \text{ and } \pm 0''{\cdot}13.$$

It seems to me a fair deduction from the above that the new methods introduced into the R.A. observations and computations may be safely accepted; and that the resulting probable errors compare favourably with those that might have been expected if the older and more laborious methods had been used.

The following table shows the mean differences between the Cape and Sydney catalogues, arranged in order of declination.

In the first column the figure 51° means "between 51° and 52°," &c. The headings 1 and 2 indicate the mean differences taken with and without signs.

It will be seen that the variations are small and of a purely accidental character throughout, except perhaps the declinations between 64° and 66°, where there seems to be a systematic error of the order of 0″·5.

Mean Differences between Cape Fundamental and Sydney Intermediate catalogues :—

Declination.	R.A.		N.P.D.		No. of Stars.	Declination.	R.A.		N.P.D.		No. of Stars.
	1	2	1	2			1	2	1	2	
°	s.	s.	″	″		°	s.	s.	″	″	
51	+ ·007	·016	+ ·14	·29	15	59	+ ·004	·028	·00	·28	5
52	+ ·012	·014	+ ·24	·28	10	60	— ·011	·024	— ·30	·38	8
53	+ ·001	·024	+ ·06	·31	8	61	+ ·007	·016	+ ·04	·36	7
54	— ·020	·028	— ·01	·16	8	62	— ·001	·023	— ·32	·32	9
55	— ·004	·014	+ ·18	·32	8	63	+ ·005	·024	— ·03	·30	11
56	— ·014	·014	— ·02	·26	5	64	+ ·033	·033	— ·53	·53	3
57	+ ·014	·014	+ ·24	·36	5	65	+ ·003	·017	— ·67	·80	6
58	— ·011	·029	+ ·02	·27	12						

Division Errors.—These were very carefully measured for every 15° round the circle, and for every 1° between declinations 50° 25′ and 65° 25′ (Pointer readings 168°–183°). The errors were found to be small and not subject to sudden fluctuations. It was considered unnecessary to carry the work any further, and intermediate readings were corrected by simple interpolation. The following table shows the corrections, applicable to N.P.D., for each degree, taking declination 50° as zero.

TABLE SHOWING ERRORS OF DIVISION.

Dec.	Correc.	Dec.	Correc.	Dec.	Correc.	Dec.	Correc.
°	″	°	″	°	″	°	″
50	0·00	54	+ ·17	58	+ ·24	62	+ ·12
51	— ·05	55	+ ·22	59	+ ·25	63	— ·19
52	— ·02	56	+ ·29	60	+ ·26	64	— ·35
53	+ ·07	57	+ ·32	61	+ ·19	65	— ·28

These corrections have been applied.

Pivot Errors.—These also were very carefully determined for every 10° throughout the 360°. The following table shows the vertical and horizontal displacements. On the whole these are smaller than might have been expected, considering the great amount of wear and tear, and the filthy character of the atmosphere. The pivots have always been well protected, having a fairly close-fitting cardboard cover, and being enclosed within a glass case. The greatest errors occur, as might have been anticipated, at settings between the zenith (151° 28′) and South Pole (207° 36′). They appear, however, to change uniformly throughout the region of this catalogue (168°–183°), and therefore the necessary corrections will have been automatically included in the reductions.

TABLE SHOWING PIVOT ERRORS.

Pointer.	Errors.		Pointer.	Errors.		Pointer.	Errors.	
	Vertical.	Horizontal		Vertical.	Horizontal		Vertical.	Horizontal
° ′	″	″	° ′	″	″	° ′	″	″
151 28	+ ·27	+ ·64	271 28	+ ·30	·00	31 28	— ·02	— ·07
161 28	+ ·25	+ ·90	281 28	+ ·25	+ ·15	41 28	·00	— ·08
171 28	+ ·16	+ ·67	291 28	+ ·23	+ ·33	51 28	— ·14	— ·16
181 28	+ ·07	+ ·42	301 28	+ ·33	+ ·25	61 28	— ·15	— ·09
191 28	— ·02	+ ·19	311 28	— ·01	+ ·21	71 28	— ·19	— ·01
201 28	·00	— ·29	321 28	— ·17	— ·08	81 28	— ·23	+ ·17
211 28	+ ·03	— ·49	331 28	— ·10	— ·08	91 28	— ·12	+ ·01
221 28	— ·24	— ·50	341 28	— ·10	+ ·07	101 28	— ·18	— ·07
231 28	— ·20	— ·64	351 28	+ ·03	— ·12	111 28	— ·16	— ·01
241 28	— ·07	— ·48	1 28	— ·12	— ·11	121 28	— ·01	+ ·01
251 28	+ ·02	— ·32	11 28	·00	— ·10	131 28	+ ·05	— ·15
261 28	+ ·15	— ·17	21 28	+ ·14	— ·30	141 28	— ·01	+ ·15

Pointer 151° 28′ corresponds to the Zenith.

The entries in the separate columns of the Catalogue have the following significance :—

Column 1.—"No."—The rotation number. * attached to a number indicates that the star is one of the Fundamentals. The positions, however, are those determined at Sydney. † indicates a remark, printed at the bottom of the page, to distinguish the observed star from others in its immediate neighborhood. In these remarks n and s stand for "north" and "south," and p and f for "preceding" and "following."

Column 2.—"Mag."—The magnitudes of the stars, taken from the Cape Catalogue for the Fundamentals, but generally eye estimates by the observer for the other stars. They must not be taken too seriously.

Columns 3 and 8.—"Mean R.A. 1900·0" and "Mean South Declination 1900·0."—These are referred to the mean epoch of observation and

to the Equinox of 1900·0. The Fundamentals, however, are corrected for the small amount of proper motion between the epoch and the beginning of the year of observation.

Columns 4 and 9.—"$\mu\Delta$E."—The quantities tabulated in these columns are the corrections on account of proper motion to be applied to the entries in the columns immediately preceding in order to refer the latter to the epoch as well as the Equinox of 1900·0. They depend on the values of the proper motions in Columns 7 and 13.

Columns 5, 6, 12, 13.—"Precession" and "Secular Variation."—These were computed with the use of "Downing's Precession Tables for 1910." The Proper Motion is not included in the "Precession."

Columns 7 and 13.—"Proper Motion."—Only a few proper motions are given. They are taken, in order of preference, from the Cape Fundamental Catalogue and Boss' Catalogue.

Column 14.—"No. of Obs."—The number of observations of each co-ordinate were generally identical. It happened occasionally that one or the other was missed, but so infrequently that it was not considered necessary to introduce another column to indicate the fact.

Column 15.—"Epoch 1900 +."—The mean epoch of observation, expressed in years in excess of 1900.

UNIV. OF
CALIFORNIA

CATALOGUE

OF

1068 "INTERMEDIATE" STARS

FOR THE EQUINOX 1900.

*35255—A

LIBRARY OF
CALIFORNIA

INTERMEDIATE STARS

(51°–65° South declination).

No.	Mag.	Mean R.A. 1900·0.	$\mu\alpha\Delta$E.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	$\mu\delta\Delta$E.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900+
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
1†	8·5	0 0 15·88	...	+ 3·0698	— ·051	...	60 22 15·6	...	— ·2	+ 20·046	— ·02	...	9	19·40
2	7·8	0 0 31·03	...	+ 3·0687	— ·036	...	51 49 1·3	...	+ ·1	+ 20·046	— ·01	...	·9	19·81
3	8	0 1 13·62	...	+ 3·0572	— ·061	...	64 47 51·5	...	+ ·3	+ 20·046	— ·02	...	10	19·40
4†	8	0 2 18·89	...	+ 3·0514	— ·044	...	57 23 34·8	...	— ·3	+ 20·045	— ·02	...	10	19·46
5	8·8	0 2 38·09	...	+ 3·0490	— ·043	...	56 48 22·7	...	— ·3	+ 20·045	— ·02	...	10	19·74
6	8·4	0 3 42·24	...	+ 3·0440	— ·036	...	52 53 0·7	...	0	+ 20·043	— ·02	...	10	19·66
7	6·7	0 3 59·92	+ ·02	+ 3·0397	— ·040	— ·0010	54 33 31·8	— ·3	— ·2	+ 20·043	— ·02	+ ·014	10	19·60
8	6·5	0 4 52·80	...	+ 3·0170	— ·053	...	62 51 13·1	...	+ ·1	+ 20·041	— ·02	...	10	19·67
9	8·1	0 7 6·43	...	+ 3·0034	— ·046	...	59 4 41·1	...	— ·2	+ 20·036	— ·03	...	10	19·36
10	8·3	0 8 31·52	...	+ 2·9847	— ·048	...	60 27 39·8	...	— ·2	+ 20·032	— ·02		10	19·28
11	7	0 9 26·94	...	+ 2·9628	— ·054	...	63 19 41·5	...	+ ·3	+ 20·029	— ·03	...	10	19·36
12	8	0 12 3·92	...	+ 2·9568	— ·043	...	58 42 26·7	...	— ·2	+ 20·018	— ·04	...	10	19·29
*13	4·4	0 14 56·84	— 5·06	+ 2·8817	— ·055	+ ·2723	65 27 24·5	— 21·8	+ ·3	+ 20·003	— ·04	+ 1·166	10	19·30
14	7·5	0 17 47·42	...	+ 2·8810	— ·046	...	61 35 23·8	...	— ·1	+ 19·986	— ·05	...	10	19·22
15†	8	0 18 50·94	...	+ 2·9152	— ·036	...	55 5 32·7	...	— ·2	+ 19·978	— ·05	...	10	19·29
16	7·9	0 19 48·92	— 1·10	+ 2·9269	— ·031	+ ·0572	51 35 33·0	+ 5·0	+ ·1	+ 19·971	— ·05	— ·260	10	19·30
17	8·2	0 20 14·55	...	+ 2·8434	— ·046	...	62 45 37·8	...	+ ·1	+ 19·968	— ·04	...	10	19·78
18	8	0 20 59·02	...	+ 2·8156	— ·049	...	64 33 47·3	...	+ ·4	+ 19·962	— ·05	...	10	19·56
19	8·7	0 21 15·91	...	+ 2·8832	— ·038	...	56 48 35·9	...	— ·3	+ 19·960	— ·05	...	10	19·46
20	7·2	0 23 14·29	...	+ 2·8897	— ·032	...	53 30 21·2	...	0	+ 19·943	— ·06	...	10	19·15
21	8·2	0 25 33·59	...	+ 2·8553	— ·034	...	55 35 18·7	...	— ·2	+ 19·921	— ·06	...	10	19·21
*22†	4·6	0 26 58·03	— ·24	+ 2·7577	— ·043	+ ·0131	63 30 34·0	+ 1·0	+ ·4	+ 19·907	— ·06	— ·054	17	19·43
23	5·3	0 28 10·64	— ·23	+ 2·7425	— ·043	+ ·0120	63 34 56·7	+ ·7	+ ·4	+ 19·895	— ·06	— ·039	10	19·16
*24	5·7	0 29 42·86	— ·44	+ 2·8438	— ·030	+ ·0238	52 55 30·8	— ·5	0	+ 19·878	— ·06	+ ·025	14	19·39
25	8·8	0 31 14·23	...	+ 2·7327	— ·040	...	61 53 11·1	...	— ·1	+ 19·860	— ·06	...	9	19·85
26	6·9	0 31 26·57	...	+ 2·7524	— ·037	...	60 16 3·6	...	— ·2	+ 19·858	— ·06	...	10	19·29
27	8·2	0 34 0·42	...	+ 2·7989	— ·030	...	54 10 4·0	...	— ·1	+ 19·826	— ·07	...	10	19·23
28	7·8	0 36 13·67	...	+ 2·7221	— ·034	...	59 0 56·5	...	— ·2	+ 19·796	— ·08	...	10	19·24
29	6	0 37 13·08	— ·19	+ 2·7391	— ·032	+ ·0101	57 3 4·1	— ·7	— ·3	+ 19·782	— ·07	+ ·038	10	19·29
30	8·2	0 38 10·09	...	+ 2·7392	— ·031	...	56 23 31·1	...	— ·3	+ 19·769	— ·08	...	10	19·26
*31	4·6	0 38 51·70	+ ·02	+ 2·7114	— ·032	— ·0009	58 0 40·2	— ·1	— ·2	+ 19·758	— ·08	+ ·007	17	19·56
32	8·2	0 39 53·58	...	+ 2·7610	— ·028	...	53 23 7·9	...	0	+ 19·743	— ·08	...	10	19·31
33	7·6	0 40 36·80	...	+ 2·5949	— ·037	...	63 44 35·1	...	+ ·4	+ 19·732	— ·08	...	10	19·55
34†	8·3	0 41 58·42	...	+ 2·6758	— ·031	...	58 28 26·4	...	— ·2	+ 19·711	— ·08	...	10	19·45
35	8·8	0 42 12·62	...	+ 2·7529	— ·026	...	52 33 1·3	...	0	+ 19·707	— ·08	...	9	19·66
36	8·2	0 45 5·39	...	+ 2·7035	— ·026	...	54 42 33·4	...	— ·2	+ 19·659	— ·09	...	10	19·23
37	9	0 47 10·35	...	+ 2·5801	— ·032	...	60 59 11·0	...	— ·2	+ 19·623	— ·09	...	10	19·25
38	7	0 48 27·66	...	+ 2·4900	— ·033	...	64 17 8·6	...	+ ·3	+ 19·600	— ·09	...	11	19·26
39	7	0 49 31·72	...	+ 2·6611	— ·025	...	55 8 8·0	...	— ·2	+ 19·580	— ·09	...	10	19·25
40	6·9	0 51 27·24	— ·02	+ 2·6670	— ·024	+ ·0008	53 43 59·0	+ 1·1	— ·1	+ 19·543	— ·09	— ·056	9	19·13

1. nf.
4. nf.
15. np.
22. np.
34. nf.

INTERMEDIATE STARS.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	μαΔE.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	μδΔE.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900 +
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
41	9	0 52 15·30	...	+ 2·5429	— ·028	...	60 18 16·8	...	— ·2	+ 19·527	— ·10	...	9	19·20
42	7·8	0 54 17·73	...	+ 2·6738	— ·023	...	51 48 19·5	...	+ ·1	+ 19·486	— ·10	...	10	19·34
*43	6·3	0 57 48·13	— ·01	+ 2·5482	— ·025	+ ·0006	57 32 26·7	— ·3	— ·2	+ 19·412	— ·10	+ ·015	14	19·24
*44	5·5	1 3 21·25	— ·21	+ 2·3775	— ·024	+ ·0111	62 18 34·9	— ·3	— ·1	+ 19·285	— ·10	+ ·015	13	19·72
45	4·1	1 4 11·01	— ·02	+ 2·5293	— ·022	+ ·0008	55 46 49·0	— ·5	— ·2	+ 19·265	— ·10	+ ·026	10	19·05
46	7·5	1 5 12·73	...	+ 2·4919	— ·021	...	57 7 39·6	...	— ·2	+ 19·249	— ·10	...	10	19·07
47	9	1 6 58·07	...	+ 2·4860	— ·021	...	56 43 11·4	...	— ·3	+ 19·196	— ·10	...	10	19·64
48	8·3	1 7 18·59	...	+ 2·4095	— ·022	...	59 43 54·8	...	— ·2	+ 19·188	— ·10	...	11	19·13
49†	8	1 9 30·56	...	+ 2·5763	— ·018	...	51 11 1·9	...	+ ·1	+ 19·131	— ·10	...	10	19·11
50	8	1 10 11·65	...	+ 2·3291	— ·020	...	61 32 18·6	...	— ·1	+ 19·113	— ·10	...	10	19·05
51	8	1 11 40·22	...	+ 2·2415	— ·020	...	63 40 35·4	...	+ ·5	+ 19·074	— ·11	...	10	19·06
52	8·6	1 13 31·80	...	+ 2·5159	— ·018	...	52 51 56·1	...	0	+ 19·023	— ·13	...	10	19·06
53	7·9	1 16 23·26	...	+ 2·2966	— ·018	...	60 35 56·4	...	— ·2	+ 18·943	— ·12	...	10	19·62
54†	7	1 16 29·42	...	+ 2·3756	— ·018	...	57 51 54·8	...	— ·2	+ 18·940	— ·11	...	10	18·93
55	6·8	1 17 4·62	...	+ 2·5419	— ·016	...	50 15 59·4	...	+ ·1	+ 18·923	— ·13	...	10	18·93
56	6	1 21 37·89	...	+ 2·0781	— ·014	...	64 53 23·8	...	+ ·4	+ 18·788	— ·11	...	11	19·04
57	8	1 22 50·72	...	+ 2·4667	— ·015	...	52 2 21·9	...	0	+ 18·750	— ·13	...	10	19·64
58	8·1	1 23 5·87	...	+ 2·3802	— ·017	...	55 35 59·0	...	— ·2	+ 18·743	— ·13	...	10	18·93
59	8·5	1 26 2·97	...	+ 2·1609	— ·013	...	61 44 18·4	...	— ·1	+ 18·650	— ·12	...	10	19·70
60	6	1 26 17·85	...	+ 2·4201	— ·015	...	53 0 33·8	...	0	+ 18·642	— ·13	...	10	18·93
61	8	1 27 51·63	...	+ 2·4534	— ·014	...	51 4 58·0	...	+ ·1	+ 18·592	— ·14	...	10	18·93
62	8	1 29 42·51	...	+ 2·2537	— ·014	...	58 5 22·2	...	— ·2	+ 18·530	— ·13	...	11	18·93
63	7	1 30 34·23	...	+ 2·0633	— ·012	...	62 59 19·0	...	+ ·2	+ 18·501	— ·13	...	11	18·93
64	8	1 32 42·70	...	+ 2·1542	— ·013	...	60 11 39·0	...	— ·2	+ 18·428	— ·13	...	10	18·93
65	6·4	1 33 5·02	— ·01	+ 2·2013	— ·013	+ ·0006	58 46 51·9	— ·0	— ·2	+ 18·415	— ·13	+ ·001	10	19·61
66	8·6	1 33 45·05	...	+ 2·0538	— ·010	...	62 26 44·3	...	0	+ 18·392	— ·13	...	11	19·03
67	8·5	1 35 19·34	...	+ 2·1708	— ·012	...	59 5 16·5	...	— ·2	+ 18·336	— ·14	...	10	18·93
68	8·1	1 37 41·99	...	+ 2·3274	— ·012	...	53 26 14·0	...	0	+ 18·252	— ·14	...	10	19·00
69	8·6	1 38 8·85	...	+ 2·0064	— ·008	...	62 29 58·3	...	— ·1	+ 18·236	— ·13	...	10	19·67
70	8·9	1 39 15·61	...	+ 2·2606	— ·012	...	55 21 34·3	...	— ·1	+ 18·195	— ·14	...	10	19·00
71	8·1	1 39 49·29	...	+ 2·3726	— ·011	...	51 8 39·1	...	+ ·1	+ 18·175	— ·15	...	10	19·66
*72	5·3	1 42 17·84	— ·25	+ 2·2777	— ·010	+ ·0135	54 1 25·1	— 1·1	— ·1	+ 18·082	— ·14	+ ·061	23	19·39
73	8	1 43 22·00	...	+ 1·9820	— ·007	...	61 53 23·4	...	0	+ 18·041	— ·13	...	10	19·00
74	8·4	1 43 23·62	...	+ 2·3186	— ·010	...	52 18 1·5	...	0	+ 18·040	— ·15	...	10	19·67
75	8·6	1 44 27·60	...	+ 1·8606	— ·004	...	64 6 25·2	...	+ ·4	+ 17·999	— ·13	...	10	19·73
76	8	1 44 30·52	...	+ 2·1701	— ·010	...	56 53 17·2	...	— ·2	+ 17·997	— ·14	...	10	19·00
77	9	1 47 24·75	...	+ 2·0762	— ·008	...	58 47 10·8	...	— ·1	+ 17·884	— ·14	...	10	19·06
78	7·6	1 48 33·60	...	+ 2·0419	— ·008	...	59 23 40·0	...	— ·2	+ 17·839	— ·14	...	10	19·00
79	8·6	1 51 57·10	...	+ 2·2513	— ·008	...	52 37 51·2	...	+ ·1	+ 17·702	— ·16	...	10	19·00
80†	8·1	1 53 13·56	...	+ 1·9423	— ·004	...	60 43 9·4	...	— ·1	+ 17·649	— ·14	...	10	19·00

49. nf.
54. nf.
80. sf.

INTERMEDIATE STARS

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	$\mu\alpha\Delta$E.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	$\mu\delta\Delta$E.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900+
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
81	8	1 54 52·92	...	+ 2·1233	— ·007	...	55 55 5·7	...	— ·2	+ 17·580	— ·15	...	10	19·00
*82	2·9	1 55 37·78	— ·65	+ 1·8546	— ·002	+ ·0355	62 3 22·0	— ·8	0	+ 17·548	— ·13	+ ·044	12	19·11
83	8	1 57 32·76	...	+ 1·7716	— ·000	...	63 14 48·8	...	+ ·3	+ 17·466	— ·13	...	10	19·70
84	8·2	1 57 34·00	...	+ 2·1532	— ·007	...	54 29 36·1	...	— ·1	+ 17·466	— ·16	...	11	19·08
85	7·3	1 58 58·85	...	+ 1·7067	+ ·002	...	64 6 20·0	...	+ ·4	+ 17·405	— ·13	...	10	19·00
86	7·5	2 1 56·36	...	+ 2·1900	— ·006	...	52 28 10·3	...	+ ·1	+ 17·275	— ·17	...	10	19·00
87	6·5	2 6 27·98	— 4·29	+ 2·1977	— ·006	+ ·2260	51 18 39·3	— 12·5	+ ·2	+ 17·071	— ·17	+ ·660	10	19·00
88	8	2 7 18·22	...	+ 1·7708	+ ·001	...	61 34 6·6	...	— ·1	+ 17·032	— ·14	...	10	19·60
89	8·4	2 7 48·04	...	+ 1·8502	— ·001	...	59 56 52·1	...	— ·2	+ 17·009	— ·15	...	10	19·04
90	8·0	2 8 48·16	...	+ 2·0190	— ·003	...	55 56 32·3	...	— ·2	+ 16·963	— ·16	...	10	19·07
91	8	2 10 20·95	...	+ 1·9290	— ·002	...	57 48 42·1	...	— ·2	+ 16·890	— ·15	...	10	19·00
92	7·9	2 11 36·58	...	+ 1·5666	+ ·008	...	64 15 43·5	...	+ ·4	+ 16·830	— ·13	...	10	19·06
*93	3·8	2 12 56·39	— ·15	+ 2·1359	— ·004	+ ·0081	51 58 30·0	+ ·6	+ ·1	+ 16·767	— ·17	— ·029	15	19·76
94	8·5	2 13 38·93	...	+ 2·0489	— ·004	...	54 17 15·2	...	— ·1	+ 16·733	— ·17	...	10	19·08
95	8·2	2 14 25·56	...	+ 1·9460	— ·002	...	56 42 35·7	...	— ·3	+ 16·695	— ·16	...	10	19·78
96	8·2	2 14 59·26	...	+ 1·6028	+ ·007	...	63 11 59·9	...	+ ·3	+ 16·668	— ·13	...	11	19·12
97	8·7	2 17 8·80	...	+ 1·8531	— ·002	...	58 18 32·5	...	— ·1	+ 16·562	— ·16	...	10	19·06
98	8	2 17 29·27	...	+ 2·0558	— ·003	...	53 25 15·0	...	0	+ 16·546	— ·17	...	10	19·73
99†	8	2 18 6·57	...	+ 2·0820	— ·004	...	52 35 28·8	...	+ ·1	+ 16·515	— ·18	...	9	19·00
100	7	2 20 15·78	— ·06	+ 1·8780	·000	+ ·0029	57 16 4·0	— ·6	— ·2	+ 16·407	— ·16	+ ·031	10	19·00
101	7·8	2 20 45·28	...	+ 1·9803	— ·002	...	54 48 46·7	...	— ·2	+ 16·383	— ·17	...	10	19·13
*102	5·6	2 22 5·97	+ ·22	+ 1·6853	+ ·004	— ·0120	60 45 36·6	+ 2·5	— ·1	+ 16·315	— ·14	— ·135	18	19·36
103	8·2	2 25 10·85	...	+ 1·5573	+ ·009	...	62 25 54·9	...	0	+ 16·156	— ·14	...	10	19·06
104†	8	2 29 8·59	...	+ 1·6947	+ ·004	...	59 33 37·0	...	— ·2	+ 15·949	— ·15	...	11	19·12
105	9·2	2 29 27·50	...	+ 1·3780	+ ·014	...	64 25 18·2	...	+ ·4	+ 15·933	— ·12	...	10	19·74
106	7·3	2 31 12·54	...	+ 1·5687	+ ·008	...	61 25 17·0	...	— ·1	+ 15·839	— ·14	...	10	19·00
107	8·2	2 32 38·78	...	+ 1·4633	+ ·011	...	62 50 9·6	...	+ ·2	+ 15·761	— ·13	...	11	19·14
*108	5·4	2 34 6·62	— ·15	+ 1·9688	·000	+ ·0079	52 58 33·1	+ ·4	0	+ 15·682	— ·19	— ·022	17	19·30
109†	7·8	2 35 50·45	...	+ 1·8605	+ ·001	...	55 16 3·0	...	— ·2	+ 15·588	— ·17	...	10	19·71
110†	7·8	2 35 52·58	...	+ 1·9422	·000	...	53 21 59·2	...	0	+ 15·585	— ·18	...	10	19·03
111	8	2 36 41·39	...	+ 1·5511	+ ·009	...	60 58 36·1	...	— ·1	+ 15·541	— ·14	...	11	19·21
112	8	2 37 10·22	...	+ 1·7131	+ ·004	...	58 5 45·4	...	— ·2	+ 15·514	— ·16	...	10	19·08
113	8	2 39 35·80	...	+ 1·7492	+ ·004	...	57 3 54·3	...	— ·2	+ 15·378	— ·16	...	10	19·07
114	9	2 42 39·05	...	+ 1·3540	+ ·016	...	63 7 39·8	...	+ ·3	+ 15·206	— ·13	...	9	19·74
115	8·7	2 42 50·58	...	+ 1·7463	+ ·005	...	56 41 10·7	...	— ·3	+ 15·195	— ·16	...	10	19·13
116	8·5	2 45 16·75	...	+ 1·9437	+ ·001	...	51 59 2·2	...	+ ·1	+ 15·055	— ·20	...	10	19·22
117	9·1	2 45 38·67	...	+ 1·1955	+ ·019	...	64 46 53·1	...	+ ·4	+ 15·034	— ·12	...	10	19·80
118	8·9	2 46 20·28	...	+ 1·5835	+ ·008	...	59 13 5·6	...	— ·2	+ 14·994	— ·16	...	10	19·23
119	8	2 48 13·33	...	+ 1·8010	+ ·003	...	54 51 12·8	...	— ·2	+ 14·884	— ·18	...	10	19·34
120	8·8	2 48 39·30	...	+ 1·4335	+ ·012	...	61 18 31·4	...	— ·1	+ 14·859	— ·14	...	10	19·75

99. sf.
104. nf.
109. nf.
110. Double precedes.

INTERMEDIATE STARS.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	$\mu_\alpha\Delta$E.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	$\mu_\delta\Delta$E.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900 +
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
121	8	2 49 22·82	...	+ 1·8651	+ ·002	...	53 17 36·9	...	0	+ 14·816	— ·19	...	10	19·29
122	8·1	2 52 15·14	...	+ 1·9185	+ ·002	...	51 39 53·6	...	+ ·1	+ 14·646	— ·19	...	10	19·29
123	7	2 54 42·72	+ ·01	+ 1·7339	+ ·005	— ·0004	55 24 52·5	— ·9	— ·2	+ 14·498	— ·18	+ ·046	10	19·29
124	9	2 55 17·26	...	+ 1·4420	+ ·012	...	60 25 27·1	...	— ·2	+ 14·463	— ·15	...	9	19·77
*125	5·2	2 56 54·32	— ·01	+ 1·1210	+ ·022	+ ·0004	64 28 8·7	— ·5	+ ·4	+ 14·365	— ·12	+ ·028	21	19·59
126†	8·5	2 57 26·25	...	+ 1·5397	+ ·008	...	58 38 6·3	...	— ·2	+ 14·332	— ·16	...	10	19·30
*127	5·3	3 1 15·17	+ ·19	+ 1·4184	+ ·013	— ·0099	60 7 33·4	+ 1·2	— ·2	+ 14·097	— ·15	— ·066	21	19·56
128	8·7	3 6 22·56	...	+ 1·2345	+ ·018	...	62 9 15·2	...	0	+ 13·774	— ·13	...	9	19·34
129	8	3 7 3·17	...	+ 1·6363	+ ·007	...	55 51 58·1	...	— ·2	+ 13·732	— ·17	...	10	19·31
130	7	3 8 9·14	+ ·01	+ 1·4960	+ ·010	— ·0003	58 11 13·2	— ·2	— ·3	+ 13·662	— ·16	+ ·012	10	19·72
131	7·5	3 8 17·70	...	+ 1·0399	+ ·023	...	64 17 30·6	...	+ ·4	+ 13·652	— ·11	...	10	19·36
*132	6	3 10 1·12	— ·03	+ 1·5141	+ ·009	+ ·0015	57 41 44·4	— ·1	— ·2	+ 13·542	— ·17	+ ·004	25	19·59
133	8·2	3 11 3·06	...	+ 1·5812	+ ·008	...	56 26 12·6	...	— ·3	+ 13·475	— ·17	...	10	19·30
134	8·2	3 12 46·37	...	+ 1·2750	+ ·016	...	61 0 21·3	...	— ·2	+ 13·363	— ·14	...	10	19·30
135	8·2	3 15 34·64	...	+ 1·7992	+ ·004	...	51 39 36·6	...	+ ·1	+ 13·179	— ·21	...	10	19·37
136	8·2	3 15 55·64	...	+ 1·0553	+ ·022	...	63 26 23·5	...	+ ·4	+ 13·156	— ·12	...	10	19·72
137	8·6	3 17 16·55	...	+ 1·7569	+ ·006	...	52 23 23·2	...	+ ·1	+ 13·066	— ·20	...	9	19·30
138	8	3 17 57·95	...	+ 1·2503	+ ·016	...	60 51 18·6	...	— ·2	+ 13·021	— ·14	...	9	19·36
139†	8·8	3 20 5·91	...	+ 1·6204	+ ·006	...	54 48 19·4	...	— ·2	+ 12·879	— ·18	...	10	19·30
140†	8·5	3 20 37·46	...	+ 1·3435	+ ·013	...	59 18 48·0	...	— ·2	+ 12·844	— ·15	...	10	19·41
141	7·5	3 22 0·01	...	+ 1·4284	+ ·011	...	57 54 11·6	...	— ·2	+ 12·751	— ·16	...	10	19·38
142	9·1	3 24 56·86	...	+ 1·5772	+ ·007	...	55 7 42·1	...	— ·2	+ 12·551	— ·18	...	10	19·45
143	9	3 26 35·13	...	+ 1·1443	+ ·018	...	61 28 30·8	...	— ·1	+ 12·439	— ·14	...	10	19·48
*144	4·9	3 27 38·83	— 1·01	+ 0·9822	+ ·023	+ ·0542	63 17 16·5	— 6·9	+ ·4	+ 12·366	— ·11	+ ·369	12	19·48
145	8·4	3 29 24·62	...	+ 0·7692	+ ·028	...	65 19 32·3	...	+ ·3	+ 12·244	— ·10	...	10	19·38
*146	5·8	3 29 35·88	— ·12	+ 1·7781	+ ·006	+ ·0066	50 43 2·7	— 1·6	+ ·1	+ 12·231	— ·21	+ ·086	15	19·60
147†	8·5	3 31 21·75	...	+ 1·3474	+ ·012	...	58 18 34·5	...	— ·2	+ 12·108	— ·15	...	11	19·42
148	7·5	3 32 5·06	...	+ 1·0216	+ ·021	...	62 30 2·6	...	0	+ 12·058	— ·12	...	10	19·62
149	8·5	3 32 51·84	...	+ 1·6579	+ ·006	...	52 53 15·2	...	0	+ 12·003	— ·20	...	10	19·72
150	7·5	3 33 44·43	...	+ 1·6426	+ ·006	...	53 6 25·8	...	0	+ 11·943	— ·20	...	10	19·54
151	7·8	3 36 7·08	...	+ 1·4403	+ ·010	...	56 28 6·3	...	— ·3	+ 11·774	— ·17	...	10	19·63
152†	8·2	3 36 10·07	...	+ 1·1911	+ ·014	...	60 6 8·7	...	— ·2	+ 11·771	— ·14	...	10	19·78
153	8·8	3 38 39·06	...	+ 0·8011	+ ·026	...	64 21 38·6	...	+ ·4	+ 11·594	— ·09	...	10	19·54
154	7·5	3 39 30·90	...	+ 1·7172	+ ·006	...	51 6 47·4	...	+ ·1	+ 11·532	— ·21	...	10	19·54
155	9	3 41 27·68	...	+ 1·2184	+ ·014	...	59 19 48·4	...	— ·2	+ 11·392	— ·14	...	10	19·57
*156	3·8	3 42 57·51	— ·89	+ 0·6907	+ ·028	+ ·0472	65 7 15·7	— 1·4	+ ·3	+ 11·284	— ·08	+ ·073	10	19·48
157	8·4	3 45 33·77	...	+ 1·2957	+ ·012	...	57 56 10·9	...	— ·2	+ 11·096	— ·16	...	10	19·69
158	8	3 45 50·60	...	+ 1·3721	+ ·010	...	56 46 13·1	...	— ·3	+ 11·075	— ·17	...	10	19·79
159	8·7	3 47 27·27	...	+ 1·0306	+ ·018	...	61 16 33·4	...	+ ·1	+ 10·958	— ·13	...	9	19·51
160	8·5	3 47 50·49	...	+ 1·6311	+ ·007	...	52 8 43·0	...	0	+ 10·929	— ·21	...	10	19·62

126. sp.
139. sp.
140. sp.

147. sf.
152. Following star.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	μαΔE.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	μδΔE.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900 +
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
161	8·2	3 50 31·26	...	+ 1·4958	+ ·008	...	54 24 5·8	...	— ·2	+ 10·732	— ·21	...	10	19·78
162	8·1	3 50 57·26	...	+ 1·4498	+ ·010	...	55 8 42·8	...	— ·2	+ 10·700	— ·18	...	10	19·61
163	6·4	3 51 56·38	...	+ 1·5698	+ ·007	...	52 58 55·3	...	0	+ 10·628	— ·19	...	11	19·51
164	8·5	3 52 50·76	...	+ 1·2056	+ ·014	...	58 40 49·8	...	— ·2	+ 10·560	— ·16	...	10	19·62
165	8·5	3 54 36·40	...	+ 1·5560	+ ·009	...	53 2 5·5	...	0	+ 10·429	— ·20	...	10	19·75
166	6·5	3 54 46·26	...	+ 0·7569	+ ·025	...	63 45 10·4	...	+ ·4	+ 10·417	— ·09	...	10	19·57
167	8	3 56 9·52	...	+ 1·6382	+ ·006	...	51 22 27·4	...	+ ·1	+ 10·312	— ·22	...	10	19·56
*168	4·5	3 57 9·67	— ·01	+ 0·9401	+ ·020	+ ·0007	61 40 56·7	+ ·4	— ·1	+ 10·237	— ·13	— ·019	17	19·62
169†	8·2	3 58 38·78	...	+ 1·4444	+ ·010	...	54 41 4·8	...	— ·2	+ 10·125	— ·18	...	10	19·59
170	9	3 58 48·99	...	+ 1·1281	+ ·015	...	59 18 47·0	...	— ·2	+ 10·112	— ·15	...	11	19·87
171	5	3 59 26·95	+ ·01	+ 0·8582	+ ·022	— ·0003	62 26 16·2	— ·4	— ·1	+ 10·065	— ·11	+ ·022	11	19·64
172	8·8	4 0 42·07	...	+ 1·3617	+ ·011	...	55 52 32·6	...	— ·2	+ 9·970	— ·17	...	11	19·76
173	8·5	4 0 56·57	...	+ 1·5622	+ ·008	...	52 28 17·8	...	0	+ 9·951	— ·20	...	10	19·81
174	8	4 2 39·69	...	+ 1·6002	+ ·007	...	51 38 39·8	...	+ ·1	+ 9·820	— ·21	...	10	19·56
175	8·1	4 4 26·49	...	+ 1·0341	+ ·016	...	60 8 34·6	...	— ·2	+ 9·684	— ·14	...	10	19·74
176	8·0	4 5 58·66	...	+ 1·1340	+ ·014	...	58 47 27·7	...	— ·2	+ 9·566	— ·16	...	10	19·56
177	8·8	4 11 24·69	...	+ 0·5685	+ ·026	...	64 35 44·1	...	+ ·4	+ 9·146	— ·08	...	10	19·65
178	8	4 12 2·70	...	+ 1·2781	+ ·011	...	56 25 41·9	...	— ·3	+ 9·097	— ·17	...	9	19·81
179	9·5	4 12 33·86	...	+ 1·5958	+ ·007	...	51 5 2·2	...	+ ·1	+ 9·056	— ·21	...	9	19·79
*180	4·4	4 13 24·53	— ·19	+ 1·5580	+ ·007	+ ·0098	51 44 15·3	— 3·4	+ ·1	+ 8·990	— ·21	+ ·180	11	19·62
181	5·5	4 14 45·24	+ ·16	+ 1·0353	+ ·014	— ·0083	59 32 36·0	+ 3·2	— ·2	+ 8·886	— ·14	— ·165	10	19·51
182†	6	4 16 12·04	...	+ 1·4719	+ ·008	...	53 6 9·7	...	0	+ 8·772	— ·20	...	11	19·48
183	8	4 17 24·03	...	+ 1·0687	+ ·014	...	58 59 8·2	...	— ·2	+ 8·677	— ·15	...	10	19·46
184	7·9	4 18 18·59	...	+ 1·5669	+ ·007	...	51 16 51·3	...	+ ·1	+ 8·605	— ·21	...	10	19·46
185	9·2	4 20 15·07	...	+ 0·9685	+ ·015	...	60 3 35·3	...	— ·2	+ 8·466	— ·13	...	10	19·59
*186	5·3	4 20 48·56	— ·24	+ 0·6261	+ ·023	+ ·0125	63 37 22·2	— 3·4	+ ·4	+ 8·407	— ·09	+ ·177	15	19·57
187	7·3	4 22 9·72	...	+ 1·1644	+ ·012	...	57 28 53·9	...	— ·2	+ 8·300	— ·16	...	11	19·53
188	7·8	4 22 12·84	...	+ 1·2646	+ ·011	...	56 3 44·4	...	— ·3	+ 8·926	— ·17	...	10	19·68
189	8	4 26 4·11	...	+ 1·3696	+ ·009	...	54 15 18·2	...	— ·2	+ 7·988	— ·19	...	10	19·38
190	8	4 26 50·61	...	+ 0·7680	+ ·018	...	61 57 26·6	...	— ·1	+ 7·925	— ·10	...	10	19·64
191	7	4 29 49·17	...	+ 0·9365	+ ·014	...	59 58 43·7	...	— ·2	+ 7·686	— ·14	...	10	19·45
192	8·6	4 30 50·03	...	+ 1·0255	+ ·013	...	58 51 55·8	...	— ·2	+ 7·604	— ·15	...	10	19·49
*193	3·4	4 31 50·17	— ·12	+ 1·2868	+ ·009	+ ·0061	55 15 5·3	0	— ·2	+ 7·523	— ·18	— ·002	21	19·64
194	8·2	4 32 34·28	...	+ 1·4315	+ ·008	...	52 55 2·9	...	0	+ 7·463	— ·20	...	10	19·75
195†	8	4 33 18·11	...	+ 1·2925	+ ·009	...	55 5 44·2	...	— ·2	+ 7·404	— ·18	...	10	19·45
196	7·9	4 35 0·42	...	+ 1·1443	+ ·011	...	57 8 18·8	...	— ·3	+ 7·265	— ·16	...	10	19·46
197	6·7	4 36 35·64	+ ·01	+ 1·4815	+ ·007	— ·0004	51 52 7·0	— ·3	+ ·1	+ 7·135	— ·20	+ ·013	10	19·49
198	8·2	4 36 45·06	...	+ 1·1510	+ ·012	...	56 58 19·6	...	— ·3	+ 7·122	— ·16	...	10	19·75
199	6	4 37 42·25	...	+ 0·6615	+ ·019	...	62 34 24·7	...	0	+ 7·045	— ·09	...	10	19·53
200†	9	4 37 50·64	...	+ 1·4029	+ ·008	...	53 8 44·5	...	0	+ 7·032	— ·20	...	10	19·76

169. sf.
182. nf.

195. sp.
200. nf.

INTERMEDIATE STARS.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	μαΔE.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	μδΔE.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900 +
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
201	8	4 42 18·83	...	+ 1·4903	+ ·007	...	51 27 31·7	...	+ ·1	+ 6·665	— ·21	...	10	19·46
202	8·8	4 43 52·62	...	+ 1·2974	+ ·008	...	54 33 38·0	...	— ·2	+ 6·536	— ·18	...	10	19·75
203	6·3	4 44 2·24	...	+ 0·5479	+ ·020	...	63 24 35·6	...	+ ·4	+ 6·524	— ·08	...	10	19·45
204	8	4 44 57·14	...	+ 1·1995	+ ·009	...	55 57 26·2	...	— ·2	+ 6·448	— ·17	...	10	19·74
205	8	4 45 30·22	...	+ 0·8081	+ ·015	...	60 46 58·2	...	— ·2	+ 6·402	— ·12	...	10	19·40
206†	8·5	4 47 33·31	...	+ 1·4537	+ ·007	...	51 52 49·8	...	+ ·1	+ 6·232	— ·20	...	10	19·52
207	8·7	4 48 10·64	...	+ 0·4000	+ ·021	...	64 33 34·3	...	+ ·4	+ 6·179	— ·06	...	10	19·76
208	7·8	4 50 53·90	...	+ 1·0309	+ ·011	...	57 59 34·2	...	— ·2	+ 5·953	— ·14	...	10	19·41
209	8·5	4 51 45·43	...	+ 0·7151	+ ·015	...	61 32 43·2	...	— ·1	+ 5·882	— ·09	...	9	19·76
210	8	4 52 13·75	...	+ 1·3954	+ ·007	...	52 40 58·3	...	0	+ 5·841	— ·20	...	10	19·40
211	7·5	4 53 1·10	...	+ 1·2725	+ ·008	...	54 35 18·4	...	— ·2	+ 5·776	— ·18	...	10	19·75
212	8·5	4 54 9·68	...	+ 0·5621	+ ·018	...	62 57 13·8	...	+ ·2	+ 5·679	— ·07	...	10	19·52
213	8·5	4 54 16·18	...	+ 1·3602	+ ·007	...	53 10 54·3	...	0	+ 5·671	— ·20	...	10	19·78
214†	8	4 54 58·75	...	+ 1·1309	+ ·010	...	56 32 35·5	...	— ·3	+ 5·611	— ·16	...	10	19·47
215	7	4 56 35·93	...	+ 0·2943	+ ·021	...	65 10 5·6	...	+ ·3	+ 5·475	— ·04	...	10	19·38
216	8·5	4 57 30·94	...	+ 0·5067	+ ·018	...	63 21 41·0	...	+ ·4	+ 5·398	— ·07	...	8	19·49
217	8·7	5 1 12·78	...	+ 1·3669	+ ·007	...	52 50 27·8	...	0	+ 5·085	— ·20	...	10	19·40
218	8·5	5 1 53·88	...	+ 0·9544	+ ·011	...	58 35 3·1	...	— ·2	+ 5·028	— ·15	...	10	19·77
219	7·2	5 2 54·84	...	+ 1·2539	+ ·008	...	54 32 32·4	...	— ·2	+ 4·941	— ·18	...	10	19·38
220	8·5	5 2 59·06	...	+ 1·4400	+ ·007	...	51 34 15·2	...	+ ·1	+ 4·936	— ·21	...	10	19·77
*221	4·8	5 3 47·61	+ ·10	+ 1·0290	+ ·010	— ·0054	57 36 30·3	— 2·0	— ·2	+ 4·869	— ·15	+ ·105	16	19·38
222	8	5 5 17·66	...	+ 0·5320	+ ·016	...	62 55 37·5	...	+ ·2	+ 4·739	— ·08	...	10	19·48
223	8·9	5 6 8·85	...	+ 0·6350	+ ·014	...	61 56 0·7	...	— ·1	+ 4·667	— ·09	...	10	19·42
224	7·5	5 8 55·27	...	+ 0·4118	+ ·016	...	63 54 7·2	...	+ ·4	+ 4·431	— ·06	...	10	19·22
225	8	5 11 29·98	...	+ 1·3329	+ ·006	...	53 5 22·7	...	0	+ 4·210	— ·19	...	10	19·72
226	7·4	5 11 54·44	...	+ 0·8357	+ ·010	...	59 42 2·5	...	— ·2	+ 4·176	— ·02	...	10	19·32
227	7·5	5 13 0·81	...	+ 1·3502	+ ·006	...	52 46 33·9	...	0	+ 4·081	— ·20	...	10	19·80
*228	5·7	5 16 54·92	— ·01	+ 1·4678	+ ·006	+ ·0006	50 42 43·9	— 4·1	+ ·1	+ 3·746	— ·21	+ ·216	14	19·44
229	7·9	5 17 54·98	...	+ 0·4843	+ ·013	...	63 5 7·4	...	+ ·3	+ 3·660	— ·07	...	10	19·36
*230	7·4	5 19 1·72	— ·07	+ 1·4089	+ ·006	+ ·0037	51 40 19·7	— ·4	+ ·1	+ 3·564	— ·21	+ ·023	10	19·36
231	7·9	5 21 8·24	...	+ 1·0512	+ ·008	...	56 54 32·2	...	— ·3	+ 3·383	— ·16	...	8	19·30
232	8	5 21 27·38	...	+ 0·8155	+ ·009	...	59 43 35·0	...	— ·2	+ 3·356	— ·12	...	10	19·78
233	8·2	5 22 25·28	...	+ 0·9473	+ ·008	...	58 11 1·7	...	— ·2	+ 3·273	— ·14	...	10	19·22
234	7·6	5 26 26·90	...	+ 0·7363	+ ·009	...	60 29 37·4	...	— ·2	+ 2·924	— ·11	...	11	19·80
235	7·8	5 29 3·39	...	+ 1·0151	+ ·007	...	57 13 58·7	...	— ·2	+ 2·699	— ·15	...	10	19·24
236	7·5	5 30 33·69	...	+ 0·6201	+ ·009	...	61 36 41·1	...	— ·1	+ 2·567	— ·09	...	10	19·17
237	8	5 31 26·51	...	+ 0·7578	+ ·008	...	60 11 31·6	...	— ·2	+ 2·491	— ·11	...	10	19·24
238	5·5	5 32 26·94	— ·11	+ 0·3165	+ ·011	+ ·0057	64 17 37·4	+ ·5	+ ·4	+ 2·404	— ·04	— ·028	10	19·12
*239	3·8	5 32 45·38	+ ·02	+ 0·5174	+ ·010	— ·0011	62 33 18·4	— ·3	0	+ 2·378	— ·07	+ ·014	10	19·72
240	8·5	5 35 11·82	...	+ 1·2601	+ ·005	...	53 45 22·5	...	0	+ 2·165	— ·19	...	10	19·12

206. sp.
214. n.f.

INTERMEDIATE STARS.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	$\alpha\alpha\Delta E.$	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	$\mu\delta\Delta E.$	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900 +
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
241	8·6	5 36 20·45	...	+ 1·3654	+ ·005	...	52 5 34·8	...	+ ·1	+ 2·065	— ·20	...	10	19·25
242	7	5 36 51·67	...	+ 0·8446	+ ·006	...	59 10 16·8	...	— ·2	+ 2·020	— ·13	...	10	19·72
243	7·7	5 37 40·98	...	+ 0·8579	+ ·006	...	59 0 39·5	...	— ·2	+ 1·949	— ·13	...	10	19·12
244	8·8	5 39 19·26	...	+ 0·4618	+ ·008	...	62 59 10·9	...	+ ·3	+ 1·807	— ·06	...	10	19·12
245	8	5 39 52·12	...	+ 1·0623	+ ·005	...	56 29 6·4	...	— ·3	+ 1·759	— ·15	...	10	19·18
*246	4·5	5 44 35·52	+ ·12	+ 0·1092	+ ·008	— ·0062	65 46 24·1	— ·2	+ ·3	+ 1·346	— ·02	+ ·010	15	19·29
247	5	5 48 37·43	·00	+ 1·3560	+ ·004	+ ·0001	52 7 55·3	+ 1·7	+ ·1	+ 0·995	— ·20	— ·090	10	19·11
248	6·5	5 50 39·62	...	+ 1·0025	+ ·004	...	57 10 30·5	...	— ·2	+ 0·816	— ·15	...	10	19·11
249	5·8	5 53 20·47	— ·37	+ 0·4374	+ ·005	+ ·0195	63 7 3·5	—10·4	+ ·3	+ 0·583	— ·06	+ ·546	10	19·11
250	8·2	5 53 52·22	...	+ 0·7658	+ ·004	...	59 55 25·0	...	— ·2	+ 0·536	— ·11	...	10	19·11
251	8·4	5 55 5·38	...	+ 0·6159	+ ·004	...	61 27 32·8	...	— ·1	+ 0·430	— ·09	...	10	19·10
252	8·8	5 55 14·29	...	+ 0·7017	+ ·005	...	60 35 44·3	...	— ·2	+ 0·417	— ·10	...	10	19·59
253	7·6	5 56 40·76	+ ·02	+ 1·4088	+ ·004	— ·0011	51 13 43·3	— ·2	+ ·2	+ 0·290	— ·21	+ ·011	10	19·11
254	8	5 56 48·94	...	+ 1·3463	+ ·004	...	53 48 20·0	...	— ·1	+ 0·278	— ·18	...	10	19·76
255	8	5 58 58.30	...	+ 1·1674	+ ·004	...	54 57 6·4	...	— ·2	+ 0·090	— ·17	...	10	19·12
256	8·6	6 2 34·10	...	+ 0·3632	+ ·002	...	63 44 45·1	...	— ·5	— 0·224	— ·05	...	10	19·13
257†	8·5	6 2 59·18	...	+ 0·7753	+ ·002	...	59 48 46·1	...	— ·2	— 0·261	— ·11	...	10	19·76
258	8·6	6 3 34·76	...	+ 0·8644	+ ·002	...	58 49 10·7	...	— ·1	— 0·313	— ·13	...	10	19·12
259†	8	6 4 50·21	...	+ 1·0852	+ ·002	...	56 5 9·7	...	— ·2	— 0·423	— ·16	...	10	19·12
*260	5	6 6 8·59	— ·05	+ 0·5455	+ ·002	+ ·0028	62 8 13·3	+ 1·4	— ·1	— 0·538	— ·08	— ·071	29	19·49
*261	5	6 8 21·04	+ ·05	+ 1·1690	+ ·002	— ·0025	54 56 46·1	+ ·2	— ·2	— 0·730	— ·17	— ·008	23	19·44
262	8·7	6 10 39·64	...	+ 0·6835	+ ·001	...	60 48 11·6	...	— ·1	— 0·933	— ·11	...	10	19·13
263	7·2	6 11 23·13	...	+ 1·3863	+ ·002	...	51 38 10·7	...	+ ·2	— 0·995	— ·20	...	11	19·19
264†	8·9	6 14 29·98	...	+ 0·8425	+ ·001	...	59 7 1·1	...	— ·2	— 1·267	— ·12	...	10	19·16
265	7·7	6 15 39·33	...	+ 1·3228	+ ·002	...	52 41 32·6		+ ·1	— 1·368	— ·20	...	10	19·15
266	8·7	6 16 30·80	...	+ 0·9967	+ ·001	...	57 17 41·3	...	— ·2	— 1·444	— ·15	...	10	19·42
267	9·1	6 17 48·91	...	+ 0·4470	— ·001	...	63 5 35·8	...	+ ·4	— 1·557	— ·06	...	10	19·15
268	7·5	6 19 53·30	...	+ 1·0753	+ ·001	...	56 18 42·5	...	— ·2	— 1·737	— ·16	...	10	19·15
269	7·6	6 20 10·16	...	+ 1·2876	+ ·001	...	53 17 0·6	...	0	— 1·762	— ·19	...	10	19·69
*270	−0·9	6 21 43·93	— ·03	+ 1·3299	+ ·001	+ ·0017	52 38 27·0	— ·2	+ ·1	— 1·898	— ·19	+ ·010	15	19·55
271	8·2	6 23 57·72	...	+ 0·4888	— ·002	...	62 46 42·5	...	+ ·2	— 2·092	— ·06	...	10	19·14
272	8·2	6 25 1·04	...	+ 1·1774	·000	...	54 58 15·2	...	— ·1	— 2·184	— ·17	...	10	19·15
273	8	6 25 10·39	...	+ 0·9335	·000	...	58 9 34·1	...	— ·1	— 2·197	— ·13	...	10	19·69
274	7·7	6 26 1·61	...	+ 0·7098	— ·001	...	60 39 51·6	...	— ·1	— 2·272	— ·10	...	10	19·16
275	7·4	6 28 33·47	...	+ 0·8196	— ·001	...	59 31 11·3	...	— ·2	— 2·491	— ·12	...	10	19·14
276	8·6	6 28 37·34	...	+ 0·3335	— ·005	...	64 10 4·4	...	+ ·4	— 2·496	— ·05	...	10	19·65
277	6·5	6 29 46·84	...	+ 0·1651	— ·006	...	65 29 50·0	...	+ ·4	— 2·598	— ·02	...	10	19·14
278	6·5	6 30 10·88	...	+ 0·6011	— ·004	...	61 48 19·9	...	0	— 2·632	— ·06	...	10	19·70
279	8·4	6 30 39·23	...	+ 1·1404	— ·000	...	55 34 11·9	...	— ·1	— 2·673	— ·17	...	10	19·14
280†	9	6 34 43·79	...	+ 1·3858	·000	...	51 55 48·2	...	+ ·1	— 3·026	— ·20	...	10	19·14

257. sp.
259. sf.

264. Double follows South.
280. np.

INTERMEDIATE STARS.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0	$\mu\alpha\Delta$E.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	$\mu\delta\Delta$E.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900 +
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
281	8·5	6 35 56·72	...	+ 1·0126	— ·001	...	57 20 54·9	...	— ·2	— 3·132	— ·14	...	10	19·66
282	8	6 36 18·12	...	+ 1·2850	— ·000	...	53 33 44·6	...	0	— 3·162	— ·18	...	10	19·14
283	9	6 37 53·59	...	+ 0·4336	— ·006	...	63 27 27·2	...	— ·5	— 3·300	— ·06	...	10	19·15
284	8·1	6 39 44·96	...	+ 1·1282	— ·001	...	55 54 5·1	...	— ·2	— 3·459	— ·16	...	10	19·15
285	7	6 41 25·49	...	+ 0·6355	— ·005	...	61 39 18·0	...	0	— 3·603	— ·09	...	10	19·14
286†	9·5	6 43 25·38	...	+ 0·8710	— ·004	...	59 11 50·9	...	— ·1	— 3·775	— ·12	...	9	19·83
287	6	6 43 36·37	+ ·04	+ 1·3745	— ·001	— ·0021	52 18 7·0	+ ·3	+ ·1	— 3·791	— ·19	— ·014	10	19·15
288	8·5	6 45 5·08	...	+ 0·9299	— ·004	...	58 32 44·1	...	— ·1	— 3·918	— ·13	...	10	19·16
289	8·3	6 45 37·34	...	+ 1·2264	— ·001	...	54 38 22·4	...	— ·1	— 3·964	— ·17	...	10	19·16
*290	3·2	6 47 9·65	+ ·22	+ 0·6295	— ·006	— ·0114	61 49 56·3	— 4·9	0	— 4·096	— ·08	+ ·260	11	19·15
*291	2·7	6 47 27·31	— ·05	+ 1·4862	000	+ ·0026	50 29 44·2	+ 1·6	+ ·1	— 4·121	— ·21	— ·086	11	19·81
292	7	6 48 41·47	...	+ 0·7977	— ·004	...	60 7 57·2	...	— ·2	— 4·226	— ·11	...	10	19·06
293†	8·6	6 50 22·16	...	+ 1·1106	— ·004	...	56 23 1·7	...	— ·2	— 4·370	— ·15	...	10	19·24
294	8	6 52 51·18	...	+ 1·2057	— ·002	...	55 7 34·0	...	— ·1	— 4·582	— ·17	...	10	19·18
295†	8·5	6 53 35·52	...	+ 1·3161	·000	...	53 29 33·6	...	0	— 4·646	— ·18	...	11	19·14
296	8	6 54 39·24	...	+ 1·0389	— ·004	...	57 26 20·6	...	— ·2	— 4·735	— ·14	...	10	19·18
297	6·6	6 58 25·64	+ ·04	+ 1·4607	— ·001	— ·0021	51 15 34·7	0	+ ·2	— 5·056	— ·20	+ ·001	10	19·17
298	8·2	7 0 10·81	...	+ 1·2091	— ·003	...	55 17 37·8	...	— ·1	— 5·204	— ·17	...	10	19·17
*299	5·5	7 2 26·44	+ ·03	+ 1·1206	— ·004	— ·0015	56 35 51·9	0	— ·2	— 5·394	— ·15	+ ·002	19	19·43
*300	6	7 4 49·41	+ ·06	+ 1·4411	— ·022	— ·0033	51 48 40·0	— 1·0	+ ·2	— 5·594	— ·20	+ ·053	10	19·18
301	7·5	7 5 47·50	...	+ 0·8916	— ·006	...	59 33 26·5	...	— ·2	— 5·677	— ·12	...	10	19·70
302	8	7 6 18·35	...	+ 1·0872	— ·005	...	57 10 15·0	...	— ·2	— 5·718	— ·15	...	10	19·17
303†	8·9	7 7 6·29	...	+ 1·3507	— ·002	...	53 22 53·9	...	0	— 5·786	— ·19	...	10	19·60
304	7	7 8 1·43	...	+ 0·8395	— ·007	...	60 13 0·8	...	— ·2	— 5·862	— ·11	...	10	19·00
305	8	7 8 32·64	...	+ 0·6564	— ·010	...	62 8 27·5	...	0	— 5·907	— ·03	...	9	19·68
306	6·5	7 11 5·43	...	+ 0·5728	— ·012	...	63 1 9·4	...	+ ·3	— 6·118	— ·08	...	10	18·88
307	8	7 12 38·15	...	+ 0·3861	— ·016	...	64 41 59·5	...	+ ·4	— 6·247	— ·05	...	10	19·18
308	8·5	7 13 43·62	...	+ 0·5962	— ·012	...	62 53 17·0	...	+ ·3	— 6·339	— ·08	...	10	19·21
309	8·1	7 17 53·14	...	+ 1·3368	— ·003	...	54 1 23·8	...	— ·1	— 6·682	— ·18	...	10	18·88
310†	7	7 17 56·59	...	+ 1·4526	— ·002	...	52 7 34·9	...	+ ·1	— 6·687	— ·20	...	10	19·32
311†	8·4	7 20 47·36	...	+ 0·8904	— ·008	...	60 6 38·0	...	— ·2	— 6·920	— ·12	...	11	19·13
312	8	7 22 18·50	...	+ 1·5122	— ·002	...	51 16 33·8	...	+ ·2	— 7·046	— ·20	...	10	19·57
313	7	7 22 25·98	+ ·23	+ 1·0473	— ·007	— ·0124	58 17 49·7	— 2·5	— ·1	— 7·056	— ·15	+ ·135	10	18·78
314	9	7 23 37·85	...	+ 1·3008	— ·004	...	54 49 50·4	...	— ·1	— 7·154	— ·17	...	10	19·19
315	8	7 25 23·27	...	+ 0·9699	— ·008	...	59 22 28·7	...	— ·2	— 7·297	— ·12	...	10	19·19
316	6·8	7 27 51·22	— ·01	+ 1·5744	— ·001	+ ·0006	50 23 53·1	— ·2	+ ·1	— 7·497	— ·21	+ ·012	10	18·89
317	7·9	7 29 10·35	...	+ 1·2106	— ·006	...	56 24 41·6	...	— ·2	— 7·604	— ·16	...	10	18·80
318	7·7	7 30 24·91	...	+ 1·4150	— ·003	...	53 20 19·0	...	0	— 7·705	— ·18	...	10	19·19
319	8·5	7 31 39·58	...	+ 0·6454	— ·016	...	63 6 28·9	...	+ ·4	— 7·806	— ·08	...	10	19·44
320	7·6	7 31 47·12	...	+ 1·0260	— ·008	...	58 58 45·6	...	— ·2	— 7·815	— ·13	...	10	18·79

286. sf.
293. nf.
295. nf.
303. sp.
310. sp.
311. sp. wide.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	μαΔE.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	μδΔE.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900 +
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
*321	5	7 33 11·28	— ·03	+ 1·4838	— ·003	+ ·0014	52 18 38·3	+ ·4	+ ·1	— 7·928	— ·20	— ·021	13	18·90
322	8·5	7 33 57·17	...	+ 0·6858	— ·016	...	62 49 2·8	...	+ ·2	— 7·989	— ·08	...	10	19·23
323	8	7 35 5·33	...	+ 0·8060	— ·013	...	61 38 33·4	...	0	— 8·080	— ·11	...	11	18·73
324	8·6	7 39 26·70	...	+ 0·5586	— ·019	...	64 15 0·0	...	+ ·4	— 8·428	— ·08	...	10	18·70
325	7	7 39 57·35	...	+ 1·3463	— ·004	...	54 56 28·9	...	— ·1	— 8·468	— ·17	...	10	18·70
326	8·6	7 42 25·78	...	+ 1·1123	— ·008	...	58 24 58·8	...	— ·1	— 8·664	— ·15	...	10	18·61
327	6·5	7 43 30·14	...	+ 1·2574	— ·006	...	56 28 39·6	...	— ·2	— 8·748	— ·16	...	10	19·16
328	7	7 43 32·16	...	+ 1·5715	— ·002	...	51 18 17·7	...	+ ·2	— 8·751	— ·20	...	10	18·71
329	7·6	7 47 15·78	...	+ 0·9287	— ·012	...	60 54 41·2	...	— ·1	— 9·043	— ·12	...	10	18·49
330	6	7 49 1·16	...	+ 0·4115	— ·025	...	65 56 25·6	...	+ ·3	— 9·180	— ·05	...	10	18·52
331	7·5	7 49 33·90	...	+ 1·3496	— ·005	...	55 26 39·0	...	— ·1	— 9·223	— ·17	...	10	18·52
332	8·2	7 50 19·42	...	+ 1·5169	— ·003	...	52 42 40·1	...	0	— 9·281	— ·19	...	10	19·04
*333	3·5	7 54 14·07	+ ·07	+ 1·5309	— ·003	— ·0037	52 42 50·0	— ·3	+ ·1	— 9·583	— ·19	+ ·017	11	18·83
324	8	7 55 37·27	...	+ 1·2566	— ·007	...	57 12 29·4	...	— ·2	— 9·689	— ·15	...	10	19·35
335	8·7	7 56 9·14	...	+ 0·7350	— ·019	...	63 26 28·5	...	+ ·5	— 9·730	— ·10	...	10	18·83
336	8·3	7 57 29·01	...	+ 0·9444	— ·014	...	61 18 34·3	...	0	— 9·832	— ·12	...	10	18·72
337	6	7 58 22·35	...	+ 1·4804	— ·004	...	53 52 26·1	...	0	— 9·899	— ·18	...	10	18·53
338	6	8 1 54·08	...	+ 1·6849	— ·001	...	50 18 18·3	...	+ ·1	— 10·167	— ·21	...	10	18·44
339	8·4	8 1 59·62	...	+ 1·0269	— ·012	...	60 37 25·2	...	— ·1	— 10·174	— ·12	...	10	19·25
340	7·3	8 2 28·23	— ·03	+ 1·5561	— ·003	+ ·0013	52 49 17·2	+ ·4	0	— 10·209	— ·19	— ·022	10	19·35
341†	8·1	8 3 5·08	...	+ 0·8617	— ·017	...	62 33 12·5	...	+ ·1	— 10·256	— ·10	...	10	19·74
342	8·4	8 4 47·27	...	+ 1·4616	— ·004	...	54 38 18·8	...	— ·1	— 10·383	— ·18	...	10	19·40
343	8·6	8 4 55·86	...	+ 0·6463	— ·022	...	64 46 46·0	...	+ ·4	— 10·394	— ·08	...	10	18·54
344	8	8 9 37·44	...	+ 1·1984	— ·010	...	58 57 0·7	...	— ·1	— 10·742	— ·14	...	10	19·05
345	8·7	8 9 55·24	...	+ 1·4594	— ·004	...	55 3 5·2	...	— ·1	— 10·764	— ·17	...	10	18·44
346	8	8 12 10·69	...	+ 1·3832	— ·006	...	56 27 1·0	...	— ·2	— 10·931	— ·16	...	10	19·23
347	7·8	8 12 24·44	...	+ 1·0413	— ·013	...	61 8 15·3	...	0	— 10·948	— ·12	...	10	18·25
348	8	8 14 20·07	...	+ 1·5739	— ·002	...	53 23 31·7	...	+ ·1	— 11·088	— ·19	...	10	18·40
349	6·8	8 17 10·44	+ ·09	+ 1·6782	— ·001	— ·0048	51 37 35·3	— ·9	+ ·2	— 11·294	— ·20	+ ·049	10	18·44
350	8·8	8 18 26·33	...	+ 0·7673	— ·021	...	64 29 29·8	...	+ ·4	— 11·385	— ·09	...	10	19·24
351	6·2	8 18 58·64	+ ·08	+ 1·3386	— ·007	— ·0045	57 39 13·5	0	— ·1	— 11·425	— ·15	— ·002	10	18·42
352	6	8 19 43·94	...	+ 0·8473	— ·019	...	63 47 7·6	...	+ ·5	— 11·479	— ·09	...	10	18·94
*353	2	8 20 27·63	+ ·07	+ 1·2396	— ·009	— ·0038	59 11 14·9	— ·3	— ·1	— 11·531	— ·14	+ ·014	24	18·85
354	8·5	8 21 42·07	...	+ 1·1232	— ·012	...	60 48 31·6	...	— ·1	— 11·619	— ·12	...	10	19·24
355†	8·5	8 22 55·10	...	+ 1·4997	— ·004	...	55 24 10·6	...	— ·1	— 11·706	— ·16	...	10	18·79
*356	3·5	8 24 38·87	+ ·12	+ 0·6713	— ·025	— ·0067	65 48 14·6	+ 3·0	+ ·4	— 11·829	— ·07	— ·166	18	18·62
357	9	8 25 30·47	...	+ 1·0695	— ·014	...	61 45 20·8	...	0	— 11·890	— ·12	...	10	18·44
358	6·8	8 26 49·68	...	+ 1·6046	— ·002	...	53 52 36·3	...	0	— 11·982	— ·18	...	10	18·55
359	8·2	8 27 26·75	...	+ 1·2322	— ·010	...	59 50 36·6	...	— ·1	— 12·026	— ·13	...	10	18·46
360	8·2	8 29 43·53	...	+ 1·4817	— ·005	...	56 17 36·7	...	— ·2	— 12·185	— ·16	...	13	18·27

341. sp.
355. nf.

INTERMEDIATE STARS.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	μα∆E.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	μδ∆E.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900+
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
361	7·7	8 32 27·07	...	+ 1·7518	·000	...	51 28 27·7	...	+ ·2	— 12·372	— ·20	...	9	18·64
362	8	8 32 36·94	...	+ 1·3611	— ·006	...	58 26 55·5	...	— ·1	— 12·384	— ·15	...	10	18·94
363	8·6	8 33 33·98	...	+ 1·6981	— ·000	...	52 41 18·5	...	+ ·1	— 12·449	— ·19	...	13	18·26
364†	9	8 35 3·61	...	+ 0·9432	— ·018	...	63 55 25·7	...	+ ·5	— 12·552	— ·10	...	10	18·47
365	6·6	8 35 32·33	+ ·02	+ 1·0740	— ·015	— ·0012	62 30 6·9	+ ·6	+ ·1	— 12·584	— ·11	— ·029	10	19·26
366	3·8	8 37 25·58	+ ·03	+ ·17226	·000	— ·0018	52 34 0·5	— ·2	+ ·1	— 12·712	— ·19	+ ·012	11	18·25
367	7	8 38 16·52	...	+ 1·4747	— ·005	...	57 11 20·1	...	— ·2	— 12·770	— ·15	...	11	18·43
368	7	8 41 28·52	...	+ 1·2109	— ·012	...	61 19 29·2	...	0	— 12·984	— ·13	...	11	18·27
369	1·7	8 41 56·58	— ·05	+ 1·6558	— ·001	+ ·0028	54 20 33·2	+ 1·8	— ·1	— 13·016	— ·18	— ·093	10	18·86
370	7·5	8 43 4·66	...	+ 1·6004	— ·002	...	55 29 27·3	...	— ·1	— 13·091	— ·17	...	10	18·83
371	6	8 43 6·38	...	+ 0·8556	— ·022	...	65 27 47·3	...	+ ·4	— 13·092	— ·09	...	10	19·25
372	8·6	8 44 37·91	...	+ 1·0801	— ·016	...	63 12 22·8	...	+ ·4	— 13·193	— ·11	...	10	19·26
373†	8·5	8 45 22·13	...	+ 1·7307	+ ·001	...	53 12 46·4	...	0	— 13·241	— ·19	...	10	19·26
374	7·3	8 45 59·53	...	+ 1·4797	— ·006	...	57 51 21·3	...	— ·1	— 13·283	— ·14	...	13	18·26
375	8·2	8 48 53·46	...	+ 1·4183	— ·006	...	59 6 28·6	...	— ·2	— 13·472	— ·15	...	10	19·27
376	8·2	8 50 55·48	...	+ 1·8119	·000	...	52 5 32·3	...	+ ·2	— 13·603	— ·19	...	10	18·28
*377	4	8 52 46·80	+ ·06	+ 1·3670	— ·008	— ·0034	60 15 44·6	— 1·1	— ·1	— 13·721	— ·13	+ ·057	18	18·64
378	7·5	8 53 58·91	...	+ 1·3875	— ·006	...	60 5 12·7	...	— ·1	— 13·798	— ·13	...	10	18·28
*379	5·2	8 54 31·54	+ ·03	+ 1·4726	— ·005	— ·0016	58 50 35·4	0	— ·1	— 13·832	— ·14	+ ·002	10	18·58
380	9	8 55 28·36	...	+ 1·2209	— ·013	...	62 30 35·4	...	+ ·1	— 13·892	— ·12	...	10	18·96
381†	7·5	8 57 29·39	...	+ 1·8859	+ ·002	...	51 9 49·1	...	+ 2	— 14·018	— ·19	...	10	18·89
382	8	8 57 34·95	...	+ 1·6073	— ·002	...	56 54 25·8	...	— ·2	— 14·024	— ·15	...	9	19·26
*383	4·1	9 0 52·08	+ ·04	+ 0·9583	— ·022	— ·0023	65 59 51·9	+ 1·9	+ ·3	— 14·228	— ·09	— ·102	17	19·04
384†	8·5	9 3 14·61	...	+ 1·5151	— ·004	...	59 6 55·1	...	— ·1	— 14·374	— ·14	...	10	19·29
385	8·2	9 3 27·99	...	+ 1·8538	+ ·002	...	52 38 6·3	...	+ ·1	— 14·387	— ·19	...	13	18·29
386	7·8	9 5 49·17	...	+ 1·8423	+ ·002	...	53 11 14·3	...	0	— 14·530	— ·18	...	10	19·28
387	8	9 6 2·63	...	+ 1·6055	— ·003	...	57 54 56·8	...	— ·1	— 14·544	— ·15	...	13	18·29
388	8	9 7 17·57	...	+ 1·4828	— ·004	...	60 5 32·5	...	— ·1	— 14·619	— ·14	...	13	18·29
389	8·7	9 7 57·31	...	+ 1·9181	+ ·003	...	51 42 4·7	...	+ ·2	— 14·658	— ·19	...	10	19·18
*390	3·5	9 8 19·94	+ ·10	+ 1·5842	— ·003	— ·0052	58 33 25·8	+ ·1	— ·1	— 14·680	— ·14	— ·005	13	18·29
391	9	9 10 9·44	...	+ 1·3391	— ·010	...	62 30 13·3	...	+ ·2	— 14·788	— ·13	...	11	18·27
392	5·2	9 11 19·91	+ ·06	+ 1·7839	+ ·002	— ·0035	55 9 18·7	— ·3	— ·1	— 14·858	— ·17	+ ·014	10	18·47
393†	8·3	9 11 25·80	...	+ 1·2515	— ·012	...	63 47 2·3	...	+ ·5	— 14·864	— ·10	...	10	18·69
394	8	9 11 58·82	...	+ 1·8899	+ ·003	...	52 54 12·0	...	+ ·1	— ·14896	— ·18	...	10	19·41
*395	2	9 14 24·70	+ ·06	+ 1·6101	— ·002	— ·0034	58 51 20·1	0	— ·1	— 15·038	— ·15	— ·002	16	18·35
396	9·5	9 15 19·86	...	+ 1·6992	·000	...	57 21 28·3	...	— ·1	— 15·091	— ·16	...	9	18·29
397	8·6	9 17 36·53	...	+ 1·7803	+ ·002	...	56 3 35·0	...	— ·2	— 15·221	— ·16	...	14	18·29
*398	2·4	9 19 0·96	+ ·04	+ 1·8583	+ ·004	— ·0023	54 35 0·4	+ ·1	— ·1	— 15·301	— ·17	— ·005	13	18·82
399	7·9	9 20 38·77	...	+ 2·0036	+ ·005	...	51 18 25·1	...	+ ·2	— 15·393	— ·18	...	10	19·28
400	7·8	9 21 33·57	...	+ 1·5216	— ·005	...	61 13 0·1	...	0	— 15·444	— ·13	...	10	19·28

364. sp.
373. nf., sf.
381. sf.

384. np.
393. sp.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	$\mu\alpha\Delta$E.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	$\mu\delta\Delta$E.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900+
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
401	7·5	9 23 18·60	...	+ 1·8917	+ ·004	...	54 26 25·4	...	— ·1	— 15·541	— ·17	...	9	18·33
402	7·9	9 23 19·25	...	+ 1·6503	— ·001	...	59 18 37·6	...	— ·1	— 15·541	— ·14	...	10	18·66
403	6·5	9 24 33·94	+ ·20	+ 1·3149	— ·011	— ·0106	64 29 45·5	— 1·1	+ ·5	— 15·610	— ·11	+ ·059	10	18·90
404	8·5	9 24 37·66	...	+ 1·8028	+ ·002	...	56 34 12·0	...	— ·2	— 15·614	— ·16	...	10	18·60
405†	9	9 26 49·76	...	+ 2·0016	+ ·006	...	52 17 9·7	...	+ ·2	— 15·733	— ·17	...	10	18·32
*406	3	9 28 10·89	+ ·09	+ 1·8263	+ ·003	— ·0048	56 35 35·2	— ·1	— ·2	— 15·806	— ·15	+ ·004	26	18·72
407	5·2	9 30 40·74	...	+ 2·0785	+ ·007	...	50 48 37·1	...	+ ·2	— 15·940	— ·17	...	11	18·29
408	8·5	9 31 13·79	...	+ 1·4851	— ·006	...	63 1 43·3	...	+ ·4	— 15·969	— ·11	...	10	19·28
409	8·5	9 31 35·49	...	+ 1·5557	— ·003	...	62 0 27·6	...	0	— 15·988	— ·12	...	9	18·54
410	8·9	9 32 27·22	...	+ 1·6654	·000	...	60 18 43·6	...	— ·1	— 16·033	— ·14	...	10	18·31
411	8·5	9 34 42·83	...	+ 1·6333	— ·001	...	61 11 24·0	...	0	— 16·151	— ·12	...	10	19·29
412	8·1	9 34 55·35	...	+ 1·9060	+ ·006	...	55 52 14·5	...	— ·1	— 16·162	— ·15	...	12	18·29
413	7·8	9 36 6·90	...	+ 1·9995	+ ·007	...	53 48 42·9	...	— ·1	— 16·224	— ·16	...	10	19·01
414	7·5	9 36 23·53	...	+ 1·4632	— ·006	...	64 2 14·7	...	+ ·5	— 16·237	— ·11	...	11	18·29
415	5·4	9 37 37·67	+ ·11	+ 1·8503	+ ·004	— ·0061	57 31 43·2	+ ·1	— ·1	— 16·301	— ·15	— ·005	10	18·78
416	8·4	9 38 2·99	...	+ 2·0765	+ ·008	...	52 4 58·7	...	+ ·1	— 16·322	— ·17	...	10	18·52
417	8	9 40 19·61	...	+ 1·7702	+ ·003	...	59 34 15·4	...	— ·2	— 16·437	— ·14	...	11	19·29
418	8·5	9 40 41·99	...	+ 2·0491	+ ·008	...	53 17 9·4	...	0	— 16·456	— ·16	...	10	19·29
*419	4·2	9 42 29·94	+ ·06	+ 1·6506	·000	— ·0032	62 2 47·9	— ·4	0	— 16·545	— ·12	+ ·021	17	18·76
420	3	9 44 36·03	+ ·06	+ 1·5040	— ·004	— ·0031	64 36 29·4	— ·1	+ ·4	— 16·648	— ·11	+ ·006	10	18·89
421	8·8	9 47 30·31	...	+ 1·7817	+ ·004	...	60 29 58·0	...	— ·1	— 16·788	— ·14	...	10	19·28
422	5·7	9 48 6·84	+ ·02	+ 1·6886	+ ·001	— ·0013	62 16 35·1	·0	+ ·1	— 16·818	— ·12	+ ·001	10	18·31
423	8	9 48 58·80	...	+ 2·1719	+ ·009	...	51 14 33·1	...	+ ·2	— 16·859	— ·16	...	10	19·28
424	9·4	9 51 16·64	...	+ 2·0607	+ ·010	...	54 52 38·0	...	— ·1	— 16·967	— ·16	...	11	18·31
425	8·5	9 51 36·38	...	+ 1·9947	+ ·008	...	56 37 6·6	...	— ·2	— 16·981	— ·15	...	10	18·99
*426	3·5	9 53 21·05	+ ·05	+ 2·1037	+ ·010	— ·0025	54 5 29·8	+ ·1	0	— 17·062	— ·16	— ·006	11	18·75
427	6·2	9 53 33·47	...	+ 2·1706	+ ·010	...	52 9 44·5	...	+ ·1	— 17·071	— ·16	...	9	18·53
428	7·5	9 54 50·06	...	+ 1·9449	+ ·008	...	58 23 1·3	...	0	— 17·130	— ·15	...	13	18·31
429	7·5	9 57 31·52	...	+ 1·8304	+ ·005	...	61 16 48·9	...	0	— 17·252	— ·13	...	11	18·30
430	7·2	9 57 43·82	...	+ 2·0794	+ ·011	...	55 36 53·9	...	— ·1	— 17·260	— ·15	...	10	19·28
431	7·9	9 58 32·20	...	+ 2·1254	+ ·011	...	54 29 55·0	...	— ·1	— 17·296	— ·15	...	12	18·30
432	7·8	10 0 43·19	...	+ 2·2426	+ ·012	...	51 18 47·5	...	+ ·2	— 17·392	— ·16	...	14	18·30
433	8·2	10 2 56·41	...	+ 2·1989	+ ·012	...	53 12 30·9	...	0	— 17·487	— ·15	...	9	19·29
434†	8·8	10 3 5·24	...	+ 2·2325	+ ·012	...	52 9 27·4	...	+ ·1	— 17·494	— ·15	...	10	18·32
435	8	10 4 3·30	...	+ 2·0729	+ ·010	...	57 3 38·0	...	— ·2	— 17·535	— ·14	...	10	19·30
*436	5·2	10 5 8·70	+ ·02	+ 2·2705	+ ·013	— ·0010	51 19 14·4	+ ·1	+ ·2	— 17·581	— ·15	— ·005	13	19·60
437	10·0	10 5 28·86	...	+ 1·8148	+ ·006	...	63 1 8·7	...	+ ·4	— 17·595	— ·11	...	10	18·33
438	8·0	10 6 17·02	...	+ 2·1201	+ ·012	...	56 15 24·2	...	— ·2	— 17·628	— ·14	...	10	18·33
439	8·3	10 8 10·38	...	+ 2·1608	+ ·013	...	55 30 7·7	...	— ·1	— 17·706	— ·14	...	10	19·40
440	8·2	10 8 32·29	...	+ 2·0547	+ ·012	...	58 27 14·2	...	0	— 17·721	— ·14	...	10	18·31

404. sp.
405. sp.
435. nf.

INTERMEDIATE STARS.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	$\mu\alpha\Delta$E.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	$\mu\delta\Delta$E.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900 +
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
441	6·5	10 10 5·63	...	+ 1·9527	+ ·010	...	61 9 46·9	...	0	— 17·785	— ·12	...	11	18·30
442	8·5	10 11 31·64	...	+ 2·2261	+ ·014	...	54 15 27·1	...	— ·1	— 17·843	— ·14	...	9	18·31
443	8·8	10 13 31·99	...	+ 1·7861	+ ·007	...	65 2 28·0	...	+ ·4	— 17·922	— ·10	...	10	18·80
*444	3·3	10 13 44·52	+ ·11	+ 2·0018	+ ·012	— ·0061	60 49 57·5	+ ·1	— ·1	— 17·930	— ·12	— ·007	10	18·53
445	8·5	10 14 48·99	...	+ 2·1928	+ ·015	...	56 3 29·8	...	— ·2	— 17·972	— ·13	...	10	18·28
446	8·5	10 16 38·47	...	+ 2·0883	+ ·014	...	59 22 56·5	...	— ·1	— 18·042	— ·12	...	11	18·30
447†	8·2	10 17 24·02	...	+ 2·3520	+ ·014	...	51 14 14·8	...	+ ·2	— 18·070	— ·14	...	10	19·03
448	8·8	10 17 37·91	...	+ 1·9422	+ ·011	...	62 56 46·6	...	+ ·4	— 18·079	— ·11	...	11	18·32
449	7·4	10 20 11·15	...	+ 2·1893	+ ·015	...	57 26 49·2	...	— ·2	— 18·175	— ·13	...	10	19·32
450	8·9	10 20 15·03	...	+ 2·3465	+ ·016	...	52 10 57·2	...	+ ·1	— 18·177	— ·14	...	10	18·33
451	8·5	10 22 14·64	...	+ 2·1023	+ ·015	...	60 19 26·1	...	— ·1	— 18·250	— ·11	...	10	18·31
452	5·6	10 22 57·61	·00	+ 2·3065	+ ·017	— ·0002	54 22 4·4	+ ·1	— ·1	— 18·276	— ·13	— ·006	11	18·31
*453	4	10 24 12·38	+ ·04	+ 2·1966	+ ·017	— ·0020	58 13 42·9	+ ·1	— ·1	— 18·320	— ·11	— ·008	16	18·50
454	8·5	10 25 21·74	...	+ 2·0608	+ ·015	...	62 4 20·6	...	0	— 18·361	— ·11	...	11	18·33
455	6	10 27 27·71	+ ·87	+ 2·3705	+ ·018	— ·0450	53 12 22·7	— 3·5	0	— 18·434	— ·12	+ ·182	10	19·32
*456	3·4	10 28 27·97	+ ·07	+ 2·1283	+ ·016	— ·0035	61 10 15·3	— ·1	— ·1	— 18·468	— ·10	+ ·007	18	18·62
457	5·3	10 32 35·65	+ ·10	+ 2·2432	+ ·020	— ·0054	59 2 42·1	+ 1·2	— ·1	— 18·606	— ·10	— ·065	10	18·37
458	6·5	10 34 9·10	...	+ 2·3271	+ ·020	...	56 44 10·8	...	— ·2	— 18·656	— ·11	...	10	18·33
459	7·2	10 35 9·05	...	+ 2·3986	+ ·020	...	54 20 25·5	...	— ·1	— 18·688	— ·12	...	10	18·36
*460†	4·3	10 35 19·46	+ ·04	+ 2·3811	+ ·020	— ·0023	55 4 56·4	+ ·4	— ·1	— 18·693	— ·12	— ·019	12	19·15
461	7·3	10 35 50·83	...	+ 2·4637	+ ·019	...	51 45 45·7	...	+ ·1	— 18·710	— ·12	...	10	18·57
462	5·2	10 38 41·02	+ ·05	+ 2·1230	+ ·021	— ·0025	63 56 35·5	— ·1	+ ·4	— 18·797	— ·09	+ ·007	10	18·37
*463	2·8	10 39 23·24	+ ·06	+ 2·1338	+ ·021	— ·0033	63 52 14·8	— ·2	+ ·5	— 18·819	— ·09	+ ·009	18	18·79
*464†	7·5	10 41 10·73	— ·01	+ 2·3179	+ ·021	+ ·0005	59 9 31·2	0	— ·2	— 18·872	— ·10	+ ·002	11	18·37
465	7·4	10 42 43·69	...	+ 2·2134	+ ·022	...	62 46 17·7	...	+ ·2	— 18·918	— ·09	...	10	18·36
466	7·0	10 43 42·69	...	+ 2·5192	+ ·022	...	51 43 6·0	...	+ ·1	— 18·946	— ·10	...	10	18·38
467†	8	10 43 47·77	...	+ 2·1202	+ ·023	...	65 23 25·1	...	+ ·4	— 18·948	— ·09	...	10	19·04
468	8·2	10 45 10·27	...	+ 2·4012	+ ·024	...	57 26 26·0	...	— ·2	— 18·987	— ·11	...	10	19·34
469	8·8	10 45 18·27	...	+ 2·3415	+ ·023	...	59 39 18·4	...	— ·2	— 18·990	— ·10	...	10	18·36
470	5·5	10 48 24·99	+ ·01	+ 2·4471	+ ·024	— ·0007	56 42 33·2	— ·1	— ·3	— 19·076	— ·10	+ ·006	10	18·58
*471	4	10 49 25·95	— ·14	+ 2·4160	+ ·024	+ ·0078	58 19 18·2	— ·4	— ·1	— 19·103	— ·09	+ ·022	11	18·39
472	8·1	10 50 28·43	...	+ 2·5224	+ ·024	...	54 1 38·3	...	— ·1	— 19·130	— ·10	...	10	18·36
473†	8	10 52 37·65	...	+ 2·3689	+ ·026	...	61 10 29·3	...	— ·1	— 19·186	— ·09	...	10	19·34
474	10	10 53 19·47	...	+ 2·3928	+ ·027	...	60 34 23·5	...	— ·2	— 19·204	— ·09	...	10	18·37
475	7·9	10 53 51·15	...	+ 2·5242	+ ·026	...	55 14 53·1	...	— ·1	— 19·217	— ·09	...	10	19·02
476	8	10 55 27·12	...	+ 2·5768	+ ·024	...	53 9 8·2	...	0	— 19·256	— ·09	...	10	19·35
477	7·6	10 56 16·44	...	+ 2·5931	+ ·025	...	52 34 31·0	...	+ ·1	— 19·276	— ·09	...	10	19·33
478	8·5	10 59 11·52	...	+ 2·3986	+ ·030	...	62 31 41·5	...	+ ·1	— 19·345	— ·08	...	10	18·35
479	6·5	10 59 41·69	...	+ 2·6000	+ ·026	...	53 39 31·3	...	— ·1	— 19·357	— ·09	...	10	18·76
480	7·6	11 0 46·45	...	+ 2·4968	+ ·029	...	59 19 9·2	...	— ·2	— 19·380	— ·08	...	10	18·36

447. nf., sf.
460. np.
464. sp.

467. np.
473. sf.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	$\mu\alpha\Delta$E.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	$\mu\delta\Delta$E.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900 +
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
481	7·2	11 3 46·62	...	+ 2·6591	+ ·026	...	51 51 48·2	...	+ ·1	— 19·446	— ·08	...	10	18·35
*482	3·9	11 4 19·01	+ ·05	+ 2·5492	+ ·029	— ·0024	58 25 59·7	0	— ·1	— 19·457	— ·08	— ·002	11	19·05
483	8·2	11 4 39·48	...	+ 2·5826	+ ·029	...	56 52 41·0	...	— ·2	— 19·464	— ·08	...	9	18·36
484	8·2	11 5 36·94	...	+ 2·6289	+ ·029	...	54 41 31·4	...	— ·1	— 19·484	— ·08	...	10	18·37
485	7·8	11 6 26·46	...	+ 2·5398	+ ·031	...	59 50 30·2	...	— ·2	— 19·501	— ·07	...	10	19·00
486	9	11 6 54·95	...	+ 2·4182	+ ·036	...	64 52 46·9	...	+ ·4	— 19·511	— ·07	...	9	18·38
*487	5·6	11 8 36·68	+ ·08	+ 2·4733	+ ·035	— ·0041	63 37 34·0	+ ·1	+ ·5	— 19·544	— ·07	— ·006	17	18·55
488	7	11 9 19·86	...	+ 2·6932	+ ·028	...	52 18 36·6	...	+ ·1	— 19·558	— ·07	...	10	18·36
489†	9·1	11 10 6·42	...	+ 2·6048	+ ·032	...	58 18 59·4	...	— ·1	— 19·573	— ·07	...	10	18·57
490	8	11 13 14·92	...	+ 2·5428	+ ·037	...	62 55 49·4	...	+ ·2	— 19·630	— ·06	...	10	19·34
491	8·9	11 15 8·85	...	+ 2·7122	+ ·030	...	54 11 46·0	...	— ·1	— 19·663	— ·06	...	10	18·34
*492	4·2	11 16 26·60	+ ·07	+ 2·7258	+ ·030	— ·0040	53 56 34·8	+ ·3	— ·1	— 19·685	— ·06	— ·018	17	18·50
493†	6·1	11 18 35·40	+ ·06	+ 2·7133	+ ·033	— ·0031	56 13 50·6	+ ·3	— ·2	— 19·720	— ·05	— ·014	10	19·04
494	8·2	11 18 49·65	...	+ 2·6282	+ ·038	...	61 44 47·7	...	0	— 19·724	— ·05	...	12	18·39
495	6·0	11 22 7·56	+ ·07	+ 2·7849	+ ·032	— ·0036	52 36 36·6	— ·3	0	— 19·773	— ·05	+ ·014	11	18·38
496	8·0	11 23 32·56	...	+ 2·8064	+ ·031	...	51 30 2·5	...	+ ·1	— 19·793	— ·05	...	11	18·37
497	8·2	11 24 9·32	...	+ 2·7413	+ ·036	...	57 50 36·0	...	— ·2	— 19·801	— ·04	...	11	18·38
498	6·8	11 27 8·54	— ·01	+ 2·7562	+ ·039	+ ·0003	58 53 25·3	+ ·3	— ·1	— 19·840	— ·04	— ·018	10	19·33
499	5·1	11 27 11·34	+ ·06	+ 2·7556	+ ·039	— ·0030	58 57 49·6	+ ·3	— ·2	— 19·841	— ·04	— ·018	12	18·38
500	9	11 28 20·12	...	+ 2·7098	+ ·044	...	63 5 40·2	...	+ ·4	— 19·855	— ·04	...	10	18·40
501	8·5	11 28 21·94	...	+ 2·8215	+ ·034	...	53 46 19·3	...	0	— 19·855	— ·04	...	10	19·03
502	8	11 29 40·75	...	+ 2·6969	+ ·048	...	64 51 25·8	...	+ ·3	— 19·871	— ·03	...	10	18·38
503	8·9	11 30 23·20	...	+ 2·8221	+ ·037	...	55 28 47·3	...	— ·2	— 19·879	— ·04	...	10	18·57
*504	3	11 31 9·91	+ ·11	+ 2·7508	+ ·045	— ·0060	62 28 0·1	+ ·4	+ ·1	— 19·888	— ·03	— ·022	15	18·68
505†	7·9	11 33 38·33	...	+ 2·8057	+ ·043	...	60 6 1·1	...	— ·2	— 19·914	— ·03	...	10	18·39
506	7·8	11 36 9·54	...	+ 2·8742	+ ·038	...	55 1 9·8	...	— ·1	— 19·938	— ·02	...	10	19·35
507	8	11 37 28·03	...	+ 2·8704	+ ·041	...	57 0 36·9	...	— ·2	— 19·949	— ·02	...	9	19·35
508	5·2	11 38 44·79	+ ·03	+ 2·8404	+ ·049	— ·0015	61 56 4·7	+ ·2	0	— 19·960	— ·03	— ·010	10	18·38
509	8·0	11 39 53·03	...	+ 2·9035	+ ·039	...	55 15 50·9	...	— ·2	— 19·969	— ·02	...	10	18·57
510	8	11 40 0·42	...	+ 2·8850	+ ·043	...	58 8 49·2	...	— ·1	— 19·970	— ·02	...	10	19·40
511	8·8	11 40 34·70	...	+ 2·9210	+ ·038	...	53 15 48·3	...	0	— 19·974	— ·02	...	10	18·57
*512	4·1	11 41 40·35	+ ·07	+ 2·8828	+ ·047	— ·0036	60 37 21·1	+ ·6	— ·1	— 19·982	— ·01	— ·029	11	19·12
513	6·5	11 41 48·51	...	+ 2·8533	+ ·054	...	64 12 37·9	...	+ ·4	— 19·983	— ·01	...	10	18·66
514	8	11 45 7·40	...	+ 2·9415	+ ·043	...	56 29 28·0	...	— ·3	— 20·004	— ·01	...	10	19·09
515	8	11 47 37·26	...	+ 2·9332	+ ·054	...	62 36 51·0	...	+ ·2	— 20·017	·00	...	10	18·88
516	8·6	11 48 31·32	...	+ 2·9531	+ ·050	...	60 43 26·8	...	— ·1	— 20·021	·00	...	10	18·58
517	8	11 49 34·78	...	+ 2·9526	+ ·056	...	63 8 39·3	...	+ ·4	— 20·025	·00	...	10	19·38
518	9·0	11 50 18·78	...	+ 2·9771	+ ·049	...	59 23 42·4	...	— ·2	— 20·028	·00	...	10	18·58
519	7·0	11 52 0·81	...	+ 3·0139	+ ·039	...	51 32 35·9	...	+ ·1	— 20·034	·00	...	10	18·50
*520	5·7	11 53 11·78	+ ·03	+ 3·0142	+ ·044	— ·0015	55 45 37·6	+ ·5	— ·2	— 20·037	·00	— ·026	12	18·73

489. nf., sp.
493. nf.
505. Most southern three in line.

INTERMEDIATE STARS.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	$\mu\alpha\Delta$E.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	$\mu\delta\Delta$E.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900 +
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
*521	6·3	11 54 6·08	+ ·05	+ 3·0298	+ ·038	— ·0026	51 8 23·1	+ ·3	+ ·1	— 20·039	·00	— ·015	10	18·58
522	8	11 55 8·07	...	+ 3·0358	+ ·040	...	52 17 50·1	...	0	— 20·041	·00	...	10	19·32
523	8·5	11 55 14·01	...	+ 3·0351	+ ·042	...	53 21 58·9	...	0	— 20·042	·00	...	10	18·67
524	7	11 57 48·70	...	+ 3·0489	+ ·056	...	61 37 7·0	...	+ ·1	— 20·045	·00	...	11	18·56
525	8	11 58 38·49	...	+ 3·0601	+ ·048	...	57 11 8·6	...	— ·2	— 20·046	·00	...	10	19·38
526	8	11 59 28·90	...	+ 3·0682	+ ·045	...	54 52 25·5	...	— ·1	— 20·046	·00	...	10	19·38
527	8·5	11 59 35·80	...	+ 3·0695	+ ·041	...	51 47 50·0	...	+ ·1	— 20·046	·00	...	9	18·39
528	4·2	12 1 39·94	0	+ 3·0925	+ ·064	·0000	64 3 22·7	+ ·9	+ ·4	— 20·045	+ ·02	— ·046	11	18·74
529	7·0	12 2 4·96	...	+ 3·0975	+ ·065	...	64 7 31·2	...	+ ·4	— 20·045	+ ·02	...	10	19·29
530	8	12 2 5·97	...	+ 3·0883	+ ·042	...	52 8 51·7	...	0	— 20·045	+ ·02	...	9	19·47
*531	3	12 3 10·37	+ ·08	+ 3·0946	+ ·039	— ·0041	50 9 55·9	+ ·3	+ ·1	— 20·044	+ ·02	— ·017	10	18·79
532	8·3	12 5 7·70	...	+ 3·1146	+ ·046	...	54 34 14·7	...	— ·2	— 20·041	+ ·03	...	10	18·79
533	6·5	12 7 3·76	...	+ 3·1513	+ ·063	...	62 23 40·3	...	0	— 20·036	+ ·03	...	10	19·10
534†	7·5	12 7 9·05	...	+ 3·1432	+ ·056	...	59 30 41·5	...	— ·2	— 20·036	+ ·03	...	10	19·45
535	6·2	12 8 55·71	...	+ 3·1786	+ ·067	...	63 51 8·9	...	+ ·4	— 20·031	+ ·04	...	10	18·91
*536	3	12 9 49·88	+ ·11	+ 3·1649	+ ·054	— ·0055	58 11 33·6	+ ·4	— ·1	— 20·028	+ ·04	— ·019	9	19·31
537†	8·8	12 10 13·82	...	+ 3·1703	+ ·055	...	58 37 33·9	...	— ·2	— 20·026	+ ·04	...	8	19·17
538	8·5	12 10 24·30	...	+ 3·1800	+ ·059	...	60 34 26·3	...	— ·2	— 20·025	+ ·04	...	10	19·11
539	7	12 12 52·23	...	+ 3·1676	+ ·044	...	51 45 2·8	...	+ ·1	— 20·014	+ ·04	...	10	18·80
540	5·9	12 13 39·51	+ ·18	+ 3·1845	+ ·048	— ·0094	54 35 14·1	+ ·9	— ·2	— 20·010	+ ·04	— ·045	10	18·90
541	7·0	12 15 53·54	...	+ 3·2447	+ ·065	...	61 43 35·8	...	— ·1	— 19·998	+ ·05	...	10	18·80
542†	8·9	12 17 23·54	...	+ 3·2073	+ ·046	...	53 3 27·8	...	0	— 19·988	+ ·05	...	10	18·80
543	5·7	12 17 24·11	+ ·12	+ 3·2293	+ ·054	— ·0064	57 7 16·6	+ ·6	— ·2	— 19·988	+ ·05	— ·031	10	19·34
544	6·8	12 19 21·21	...	+ 3·3104	+ ·049	...	64 39 25·0	...	+ ·4	— 19·974	+ ·06	...	10	19·12
545	5·4	12 20 57·06	+ ·10	+ 3·3075	+ ·069	— ·0052	62 34 4·9	+ ·8	+ ·1	— 19·962	+ ·06	— ·040	10	18·86
546	7·5	12 21 33·83	...	+ 3·2341	+ ·046	...	52 8 56·4	...	+ ·1	— 19·957	+ ·06	...	10	19·44
547	6	12 22 41·82	...	+ 3·3409	+ ·073	...	63 47 14·6	...	+ ·4	— 19·948	+ ·07	...	10	18·72
548	8·4	12 25 31·12	...	+ 3·2887	+ ·053	...	55 30 50·3	...	— ·2	— 19·922	+ ·07	...	10	19·13
*549	1·5	12 25 37·04	— ·04	+ 3·2982	+ ·055	+ ·0023	56 33 16·8	+ 5·1	— ·3	— 19·921	+ ·07	— ·272	12	19·19
550	5·5	12 26 5·01	+ ·07	+ 3·3238	+ ·060	— ·0039	58 52 16·8	+ ·4	— ·2	— 19·916	+ ·07	— ·022	10	19·11
551	6	12 27 42·56	...	+ 3·2754	+ ·046	...	51 31 50·3	...	+ ·1	— 19·900	+ ·07	...	10	18·82
552	8·2	12 28 34·25	...	+ 3·2948	+ ·049	...	53 13 18·8	...	0	— 19·890	+ ·08	...	10	19·42
553	8·1	12 28 53·05	...	+ 3·3390	+ ·057	...	57 46 46·9	...	— ·2	— 19·887	+ ·08	...	10	19·05
554	7	12 30 39·92	...	+ 3·2996	+ ·048	...	51 51 59·9	...	+ ·1	— 19·867	+ ·08	...	10	18·55
555	7·2	12 32 30·23	...	+ 3·3461	+ ·054	...	55 22 50·1	...	— ·2	— 19·845	+ ·08	...	10	18·64
556	8·2	12 33 3·37	...	+ 3·4260	+ ·070	...	61 28 58·7	...	— ·1	— 19·838	+ ·08	...	13	18·81
557	5·5	12 36 11·14	+ ·05	+ 3·4241	+ ·063	— ·0028	59 8 13·2	+ ·2	— ·2	— 19·797	+ ·10	— ·012	11	18·81
558	5·8	12 39 45·34	— ·26	+ 3·4790	+ ·069	+ ·0137	60 25 57·8	+ 1·5	— ·2	— 19·745	+ ·11	— ·079	11	18·72
559	6·7	12 40 23·36	...	+ 3·3957	+ ·053	...	54 3 54·7	...	— ·1	— 19·736	+ ·10	...	11	18·69
*560	1·1	12 41 52·42	+ ·12	+ 3·4788	+ ·066	— ·0062	59 8 32·2	+ ·5	— ·2	— 19·712	+ ·11	— ·028	14	19·19

534. sp.
537. nf.
542. sf.

INTERMEDIATE STARS.

(51°– 65° South declination.)

No.	Mag.	Mean R.A. 1900·0	$\mu\alpha\Delta$E.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	$\mu\delta\Delta$E.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900 +
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
561	8·4	12 41 59·43	...	+ 3·4403	+ ·059	...	56 29 53·0	...	— ·3	— 19·711	+ ·11	...	10	18·90
562	8	12 42 57·27	...	+ 3·6076	+ ·089	...	65 2 50·9	...	+ ·3	— 19·695	+ ·12	...	11	18·63
563	7·4	12 45 43·20	...	+ 3·4953	+ ·063	...	57 56 24·4	...	— ·2	— 19·648	+ ·12	...	10	18·55
564	7·3	12 47 26·34	...	+ 3·4327	+ ·053	...	52 40 53·9	...	0	— 19·618	+ ·12	...	10	18·55
565	8	12 50 59·66	...	+ 3·5752	+ ·070	...	59 36 3·4	...	— ·2	— 19·552	+ ·14	...	10	19·34
566	7	12 51 7·70	...	+ 3·4802	+ ·056	...	54 2 44·5	...	— ·1	— 19·549	+ ·13	...	10	18·74
567	7	12 52 19·19	...	+ 3·4834	+ ·055	...	53 38 40·2	...	— ·1	— 19·526	+ ·12	...	10	18·84
568	7·8	12 53 27·05	...	+ 3·7010	+ ·087	...	63 49 48·7	...	+ ·4	— 19·593	+ ·14	...	10	18·74
569	8·7	12 54 30·15	...	+ 3·6677	+ ·080	...	62 7 29·6	...	0	— 19·482	+ ·14	...	10	18·74
570	8·5	12 58 55·45	...	+ 3·5862	+ ·063	...	56 31 7·7	...	— ·3	— 19·387	+ ·14	...	10	18·84
571	7·1	12 59 38·00	...	+ 3·5060	+ ·053	...	51 34 46·4	...	+ ·1	— 19·371	+ ·14	...	10	18·84
572	7·8	13 0 54·92	...	+ 3·6402	+ ·068	...	58 16 11·3	...	— ·1	— 19·342	+ ·15	...	10	18·84
573	9·1	13 1 6·60	...	+ 3·6866	+ ·076	...	60 10 3·5	...	— ·2	— 19·337	+ ·16	...	10	19·45
*574	6	13 1 41·55	+ ·09	+ 3·5429	+ ·056	— ·0048	52 55 27·6	+ ·6	0	— 19·324	+ ·14	— ·032	12	18·95
575	8·0	13 3 25·33	...	+ 3·5257	+ ·052	...	51 8 55·6	...	+ ·1	— 19·283	+ ·15	...	10	19·22
576	8·3	13 7 17·58	...	+ 3·8335	+ ·088	...	63 3 21·6	...	+ ·3	— 19·188	+ ·18	...	10	18·85
577	9·1	13 8 35·65	...	+ 3·6151	+ ·059	...	54 0 43·5	...	— ·1	— 19·155	+ ·16	...	10	19·13
578	8	13 9 7·96	...	+ 3·6776	+ ·065	...	56 43 45·8	...	— ·3	— 19·141	+ ·17	...	9	18·91
579	8·6	13 11 23·03	...	+ 3·7037	+ ·067	...	57 1 17·7	...	— ·3	— 19·082	+ ·17	...	10	18·77
580†	7·5	13 13 21·77	...	+ 3·8452	+ ·083	...	61 26 34·8	...	— ·1	— 19·028	+ ·19	...	11	18·83
581	8·5	13 14 2·28	...	+ 3·6838	+ ·063	...	55 14 22·7	...	— ·2	— 19·009	+ ·18	...	10	19·44
582†	6·5	13 14 12·71	...	+ 3·7872	+ ·074	...	59 14 49·4	...	— ·2	— 19·004	+ ·19	...	10	18·77
583†	6	13 16 9·98	+ ·09	+ 3·8420	+ ·080	— ·0046	60 27 51·6	+ ·4	— ·2	— 18·949	+ ·20	— ·019	10	19·35
*584†	6·2	13 16 11·14	+ ·06	+ 3·6239	+ ·054	— ·0031	51 39 32·7	0	+ ·1	— 18·949	+ ·18	+ ·002	17	18·89
585	7·5	13 17 58·85	...	+ 3·6702	+ ·058	...	53 16 13·2	...	— ·1	— 18·897	+ ·19	...	10	18·78
586	5	13 18 31·64	+ ·43	+ 3·9917	+ ·096	— ·0231	63 57 46·9	+ ·7	+ ·4	— 18·881	+ ·22	— ·039	10	18·78
587	9	13 20 39·18	...	+ 3·6680	+ ·057	...	52 16 33·6	...	0	— 18·818	+ ·19	...	10	19·36
588†	8·2	13 20 46·09	...	+ 3·9448	+ ·087	...	62 7 44·9	...	— ·1	— 18·814	+ ·22	...	10	18·87
589	9	13 22 23·06	...	+ 3·8197	+ ·071	...	57 49 21·6	...	— ·2	— 18·765	+ ·21	...	10	18·85
590	8·1	13 22 57·92	...	+ 3·7336	+ ·061	...	54 23 58·9	...	— ·2	— 18·747	+ ·20	...	10	18·78
591	7·9	13 28 40·39	...	+ 4·1363	+ ·103	...	64 38 22·7	...	+ ·3	— 18·564	+ ·24	...	10	18·87
592	8·8	13 28 52·68	...	+ 3·7989	+ ·064	...	55 10 18·3	...	— ·2	— 18·557	+ ·22	...	10	19·46
593	6·8	13 32 17·17	...	+ 3·8824	+ ·070	...	57 6 48·8	...	— ·3	— 18·443	+ ·23	...	10	18·87
*594	2·3	13 33 32·92	+ ·06	+ 3·7754	+ ·059	— ·0034	52 57 28·9	+ ·5	0	— 18·399	+ ·23	— ·027	16	19·12
595	8·4	13 33 39·05	...	+ 4·1404	+ ·098	...	63 33 40·8	...	+ ·4	— ·18396	+ ·25	...	10	19·46
596	8·5	13 34 36·10	...	+ 4·0542	+ ·087	...	61 21 40·0	...	— ·1	— 18·362	+ ·26	...	10	19·02
597	6·5	13 36 23·67	+ ·03	+ 3·8896	+ ·068	— ·0014	56 15 46·2	+ ·4	— ·3	— 18·299	+ ·24	— ·021	10	18·87
598	8·8	13 38 49·90	...	+ 3·8650	+ ·064	...	54 49 16·3	...	— ·2	— 18·211	+ ·24	...	10	18·87
599	7·5	13 40 38·55	...	+ 3·8206	+ ·059	...	52 46 55·6	...	0	— 18·144	+ ·25	...	10	18·87
600	8·0	13 41 16·65	...	+ 4·0749	+ ·084	...	60 18 32·1	...	— ·2	— 18·120	+ ·26	...	10	18·87

580. np.
582. np.
583. sf.
584. sp.
588. nf.

INTERMEDIATE STARS.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	$\mu\alpha\Delta E.$	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	$\mu\delta\Delta E.$	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900+
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
601†	8·8	13 41 58·86	...	+ 4·0035	+ ·075	...	58 17 19·4	...	— ·2	— 18·094	+ ·26	...	9	18·92
602†	8·4	13 45 26·17	...	+ 4·2321	+ ·097	...	62 54 5·0	...	+ ·2	— 17·962	+ ·29	...	10	18·96
603†	9	13 46 32·19	...	+ 4·1688	+ ·089	...	61 20 39·8	...	— ·1	— 17·919	+ ·29	...	10	18·97
604	8	13 48 45·99	...	+ 4·1118	+ ·082	...	59 33 41·1	...	— ·2	— 17·831	+ ·29	...	10	19·06
605	6·5	13 49 46·12	...	+ 3·9091	+ ·063	...	53 38 28·7	...	— ·1	— 17·790	+ ·27	...	10	19·43
*606	4·7	13 50 24·38	+ ·10	+ 4·2980	+ ·100	— ·0053	63 11 48·4	+ 1·0	+ ·4	— 17·765	+ ·30	— ·052	26	19·29
607	8·5	13 51 30·27	...	+ 3·8773	+ ·059	...	52 10 24·0	...	0	— 17·720	+ ·28	...	10	18·88
608	9·2	13 53 13·06	...	+ 4·3897	+ ·107	...	64 18 31·0	...	+ ·4	— 17·649	+ ·32	...	11	18·93
609	7·5	13 54 29·85	...	+ 4·0488	+ ·072	...	56 44 37·5	...	— ·3	— 17·596	+ ·29	...	10	18·88
*610	5	13 56 45·73	+ ·07	+ 4·1965	+ ·085	— ·0035	59 53 26·6	+ ·6	— ·2	— 17·500	+ ·31	— ·032	14	19·09
611	7·8	13 56 58·49	...	+ 3·8955	+ ·058	...	51 34 38·5	...	+ ·1	— 17·492	+ ·29	...	11	19·50
612†	6·5	13 59 21·99	...	+ 4·1897	+ ·082	...	59 14 14·8	...	— ·2	— 17·388	+ ·31	...	10	19·06
613	6·5	14 0 51·16	...	+ 4·3772	+ ·100	...	62 43 55·2	...	+ ·1	— 17·323	+ ·34	...	10	18·88
614	6·5	14 1 53·14	...	+ 4·1915	+ ·080	...	58 48 2·3	...	— ·2	— 17·277	+ ·32	...	10	19·16
615†	6·9	14 3 0·64	+ ·10	+ 3·9173	+ ·057	— ·0055	51 1 47·9	+ ·5	+ ·1	— 17·227	+ ·30	— ·025	10	19·06
616	5·5	14 3 15·02	+ ·33	+ 3·9797	+ ·062	— ·0172	52 57 46·2	+ 2·1	0	— 17·216	+ ·31	— ·108	10	19·48
617	9	14 4 14·33	...	+ 4·0364	+ ·065	...	54 25 27·2	...	— ·2	— 17·172	+ ·31	...	10	18·97
618	8·3	14 6 40·17	...	+ 4·3789	+ ·094	...	61 45 45·8	...	— ·1	— 17·062	+ ·35	...	10	18·97
619	8·2	14 10 53·92	...	+ 4·1672	+ ·071	...	56 34 35·7	...	— ·3	— 16·864	+ ·34	...	10	19·06
620	6	14 12 30·78	+ ·43	+ 4·3799	+ ·090	— ·0228	60 48 34·5	+ 2·0	— ·2	— 16·787	+ ·36	— ·105	10	18·97
*621	4·4	14 13 20·23	+ ·06	+ 4·1582	+ ·069	— ·0029	55 55 32·6	+ ·4	— ·3	— 16·748	+ ·34	— ·021	17	19·26
622	7·8	14 13 36·53	...	+ 4·5666	+ ·106	...	63 46 56·3	...	+ ·4	— 16·734	+ ·38	...	10	19·48
623	8	14 14 53·88	...	+ 4·2522	+ ·076	...	57 49 58·1	...	— ·2	— 16·672	+ ·35	...	10	18·97
624†	8·4	14 15 36·34	...	+ 4·5221	+ ·100	...	62 47 8·0	...	+ ·2	— 16·638	+ ·38	...	10	19·25
625	7·5	14 15 46·20	...	+ 4·1371	+ ·066	...	54 58 25·1	...	— ·2	— 16·630	+ ·34	...	10	19·40
626	8	14 16 23·45	...	+ 4·3574	+ ·085	...	59 45 22·8	...	— ·2	— 16·600	+ ·36	...	10	19·06
627†	8·5	14 18 52·56	...	+ 4·0827	+ ·061	...	53 0 4·0	...	0	— 16·476	+ ·35	...	10	19·08
628	8·9	14 18 55·77	...	+ 4·2188	+ ·071	...	56 24 24·2	...	— ·3	— 16·474	+ ·36	...	10	19·52
629	6·6	14 21 24·83	...	+ 4·3468	+ ·079	...	58 44 54·9	...	— ·2	— 16·349	+ ·37	...	10	19·07
630	8·9	14 22 29·95	...	+ 4·5077	+ ·094	...	61 31 30·0	...	— ·1	— 16·294	+ ·39	...	10	19·06
631	8·5	14 24 34·89	...	+ 4·5913	+ ·100	...	62 34 14·6	...	+ ·1	— 16·188	+ ·41	...	10	18·97
632	7·8	14 25 39·06	...	+ 4·0708	+ ·057	...	51 31 38·7	...	+ ·1	— 16·132	+ ·36	...	10	18·91
633	7·9	14 26 21·83	...	+ 4·4725	+ ·088	...	60 21 35·4	...	— ·2	— 16·095	+ ·40	...	10	19·49
634	6·2	14 26 30·69	...	+ 4·1927	+ ·065	...	54 33 24·2	...	— ·2	— 16·087	+ ·40	...	10	18·97
635	7·3	14 27 58·24	+ ·08	+ 4·2702	+ ·069	— ·0041	56 7 22·7	+ ·8	— ·3	— 16·011	+ ·38	— ·044	10	19·06
636	8·5	14 28 2·37	...	+ 4·1308	+ ·060	...	52 45 41·2	...	0	— 16·008	+ ·37	...	10	19·45
637	8	14 29 24·31	...	+ 4·7531	+ ·110	...	64 14 46·4	...	+ ·4	— 15·936	+ ·42	...	10	18·97
638	9	14 30 6·00	...	+ 4·4502	+ ·083	...	59 25 25·0	...	— ·2	— 15·898	+ ·41	...	10	19·49
639†	7·8	14 31 34·16	...	+ 4·4227	+ ·079	...	58 42 17·3	...	— ·2	— 15·820	+ ·40	...	10	19·06
640	7·8	14 31 44·32	...	+ 4·6927	+ ·103	...	63 6 44·8	...	+ ·3	— 15·811	+ ·43	...	10	19·51

601. nf.
602. sf.
603. nf.
612. np.
615. np.
624. sf.
627. nf.
639. nf., sf.

INTERMEDIATE STARS.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	$\mu\alpha\Delta$E.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	$\mu\delta\Delta$E.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900 +
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
*641	3·2	14 34 24·69	+ ·58	+ 4·8239	+ ·112	— ·0310	64 32 28·1	+ 4·4	+ ·3	— 15·665	+ ·44	— ·236	16	19·14
642	7·8	14 34 41·18	...	+ 4·4053	+ ·076	...	57 55 50·0	...	— ·2	— 15·651	+ ·41	...	10	19·48
643	7·5	14 37 13·85	...	+ 4·6059	+ ·091	...	61 5 48·7	...	— ·1	— 15·511	+ ·43	...	10	19·17
644†	6·5	14 37 58·18	...	+ 4·2943	+ ·067	...	55 10 37·7	...	— ·2	— 15·470	+ ·40	...	10	19·16
645	8·4	14 39 24·30	...	+ 4·2476	+ ·063	...	53 55 3·5	...	— ·1	— 15·390	+ ·40	...	10	19·16
*646	5·3	14 40 1·43	+ ·06	+ 4·1705	+ ·058	— ·0029	51 57 38·4	+ 1·7	+ ·1	— 15·355	+ ·40	— ·090	10	19·16
647†	8·2	14 41 6·77	...	+ 4·3542	+ ·060	...	56 0 57·7	...	— ·3	— 15·293	+ ·41	...	10	19·16
648	7·5	14 42 6·24	...	+ 4·6997	+ ·095	...	61 54 48·9	...	— ·1	— 15·237	+ ·45	...	10	19·16
649	7·8	14 43 44·46	...	+ 4·6213	+ ·087	...	60 31 7·3	...	— ·2	— 15·144	+ ·45	...	10	19·08
650†	6	14 44 27·32	+ ·06	+ 4·8270	+ ·103	— ·0029	63 23 48·1	+ ·4	+ ·4	— 15·103	+ ·48	— ·022	10	19·09
651†	8·5	14 46 38·73	...	+ 4·3243	+ ·064	...	54 38 14·2	...	— ·2	— 14·976	+ ·42	...	10	19·18
652	8·1	14 47 6·12	...	+ 4·2450	+ ·059	...	52 47 17·0	...	0	— 14·950	+ ·42	...	10	19·41
*653	5·3	14 47 51·46	+ ·37	+ 4·6019	+ ·083	— ·0195	59 42 13·5	+ 2·1	— ·2	— 14·906	+ ·46	— ·111	17	19·28
654	8·2	14 48 34·15	...	+ 4·9687	+ ·113	...	64 41 29·5	...	+ ·3	— 14·864	+ ·49	...	10	19·09
655†	7·5	14 52 39·58	...	+ 4·5303	+ ·075	...	57 54 23·2	...	— ·2	— 14·621	+ ·46	...	10	18·99
656†	8	14 54 51·00	...	+ 4·2344	+ ·056	...	51 31 17·3	...	+ ·1	— 14·490	+ ·44	...	10	18·99
657	8·5	14 56 14·15	...	+ 4·4377	+ ·067	...	55 45 19·1	...	— ·2	— 14·406	+ ·46	...	10	18·99
658	8·5	14 56 43·15	...	+ 4·8800	+ ·098	...	62 44 20·2	...	+ ·1	— 14·376	+ ·51	...	8	19·54
659†	8·9	14 56 44·01	...	+ 4·3519	+ ·062	...	53 56 45·5	...	— ·1	— 14·375	+ ·45	...	10	19·30
660	8·2	14 59 58·72	...	+ 5·0318	+ ·107	...	64 15 11·5	...	+ ·4	— 14·176	+ ·52	...	10	19·19
661	7	15 1 6·27	...	+ 4·6377	+ ·078	...	58 45 24·1	...	— ·2	— 14·106	+ ·48	...	10	19·01
662	8	15 2 19·98	...	+ 4·8534	+ ·091	...	61 48 34·6	...	— ·1	— 14·030	+ ·50	...	10	19·06
663	8	15 2 51·94	...	+ 4·5318	+ ·069	...	56 44 58·8	...	— ·3	— 13·996	+ ·48	...	10	18·54
664	8	15 3 42·83	...	+ 4·5820	+ ·072	...	57 32 23·8	...	— ·2	— 13·943	+ ·49	...	10	19·06
*665†	3·4	15 5 5·70	+ ·21	+ 4·2962	+ ·055	— ·0115	51 43 8·9	+ 1·3	+ ·1	— 13·856	+ ·46	— ·069	14	19·11
666	7·5	15 5 58·56	...	+ 4·4752	+ ·064	...	55 21 16·1	...	— ·2	— 13·800	+ ·47	...	10	19·32
667	8·5	15 6 22·09	...	+ 4·9288	+ ·093	...	62 23 24·4	...	0	— 13·775	+ ·53	...	10	19·21
668	8·2	15 8 11·53	...	+ 4·4485	+ ·062	...	54 35 27·6	...	— ·2	— 13·658	+ ·48	...	10	18·94
669	4·9	15 9 11·79	0	+ 5·0202	+ ·098	— ·0002	63 14 26·3	+ ·2	+ ·4	— 13·594	+ ·54	— ·009	10	19·52
*670	4·2	15 9 40·67	+ ·23	+ 4·6738	+ ·074	— ·0126	58 25 42·5	+ 2·7	— ·2	— 13·563	+ ·50	— ·148	11	18·92
671	9	15 11 8·42	...	+ 4·4017	+ ·058	...	53 19 35·6	...	— ·1	— 13·470	+ ·48	...	10	18·93
672†	7	15 14 23·53	...	+ 4·7268	+ ·075	...	58 47 9·8	...	— ·2	— 13·257	+ ·52	...	10	18·84
*673	7	15 15 53·44	+ ·04	+ 4·3344	+ ·053	— ·0020	51 22 37·7	+ ·4	+ ·1	— 13·159	+ ·48	— ·023	10	18·84
674	7	15 16 5·21	...	+ 4·6245	+ ·067	...	56 58 21·0	...	— ·3	— 13·146	+ ·51	...	10	19·54
675	7·5	15 18 23·20	...	+ 4·4715	+ ·058	...	53 57 59·5	...	— ·1	— 12·993	+ ·50	...	10	18·76
676	8·4	15 19 11·74	...	+ 4·5971	+ ·064	...	56 11 52·7	...	— ·3	— 12·939	+ ·51	...	10	18·85
677	8·5	15 22 0·77	...	+ 4·8691	+ ·078	...	60 8 39·2	...	— ·2	— 12·750	+ ·55	...	10	19·69
678	8·1	15 22 35·58	...	+ 4·4194	+ ·053	...	52 30 4·8	...	0	— 12·710	+ ·50	...	10	18·76
679	8	15 25 27·37	...	+ 5·0147	+ ·086	...	61 44 34·8	...	— ·1	— 12·516	+ ·57	...	10	18·76
680	8·8	15 25 40·08	...	+ 5·2890	+ ·103	...	64 45 50·9	...	+ ·3	— 12·502	+ ·60	...	9	19·55

664. np.
647. nf.
650. sf.

651. nf.
655. nf.
656. sf. ,nf.

659. nf.
665. nf.
672. np., sp.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	μαΔE.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	μδΔE.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900 +
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
681	4·2	15 27 33·99	— ·06	+ 5·4322	+ ·111	+ ·0034	65 58 51·8	+ 1·4	+ ·2	— 12·371	+ ·62	— ·072	11	18·75
682	8·1	15 29 50·18	...	+ 4·5327	+ ·056	...	54 1 53·3	...	— ·2	— 12·215	+ ·52	...	10	19·55
683	8·2	15 29 52·84	...	+ 4·8750	+ ·074	...	59 32 42·8	...	— ·2	— 12·211	+ ·57	...	10	18·76
*684	5·5	15 31 23·40	+ ·07	+ 4·4379	+ ·051	— ·0036	52 2 34·1	+ ·8	0	— 12·107	+ ·52	— ·042	10	18·68
685†	8·5	15 32 14·26	...	+ 4·8368	+ ·070	...	58 48 34·6	...	— ·2	— 12·048	+ ·57	...	10	19·62
686	7·2	15 32 16·14	...	+ 5·1572	+ ·090	...	62 52 6·5	...	+ ·2	— 12·045	+ ·61	...	9	19·01
687	6·9	15 33 11·42	...	+ 5·2554	+ ·095	...	63 51 22·2	...	+ ·4	— 11·981	+ ·62	...	10	19·14
688	8·0	15 34 24·21	...	+ 4·4079	+ ·048	...	51 8 53·0	...	+ ·1	— 11·896	+ ·52	...	10	19·15
689	7·6	15 35 42·64	...	+ 4·7442	+ ·063	...	57 7 54·6	...	— ·2	— 11·803	+ ·56	...	10	18·80
690	8	15 37 9·32	...	+ 4·7176	+ ·061	...	56 35 29·2	...	— ·3	— 11·701	+ ·56	...	10	18·88
691	8	15 38 1·63	...	+ 4·5229	+ ·052	...	53 7 20·0	...	— ·1	— 11·638	+ ·53	...	10	19·46
692†	8	15 38 26·88	...	+ 4·4813	+ ·050	...	52 17 2·3	...	0	— 11·609	+ ·53	...	10	18·97
693	7·5	15 39 18·65	...	+ 4·4624	+ ·049	...	51 49 58·2	...	+ ·1	— 11·547	+ ·54	...	10	18·96
694†	8·2	15 41 35·54	...	+ 4·6598	+ ·057	...	55 16 35·8	...	— ·2	— 11·383	+ ·56	...	10	18·97
695	7	15 42 13·04	...	+ 4·8496	+ ·065	...	58 11 41·9	...	— ·2	— 11·339	+ ·58	...	10	18·97
696	8	15 44 51·65	...	+ 5·0817	+ ·076	...	61 3 53·8	...	— ·1	— 11·147	+ ·62	...	10	18·96
*697	2·8	15 46 19·10	+ ·55	+ 5·2734	+ ·085	— ·0296	63 7 26·9	+ 7·2	+ ·3	— 11·041	+ ·65	— ·388	13	19·06
698†	7	15 46 24·95	...	+ 5·0402	+ ·072	...	60 26 44·4	...	— ·2	— 11·034	+ ·61	...	10	19·35
699	8	15 47 39·40	...	+ 4·9937	+ ·069	...	59 45 55·7	...	— ·2	— 10·944	+ ·62	...	10	18·88
700	8·8	16 48 17·87	...	+ 4·6543	+ ·053	...	54 39 28·2	...	— ·2	— 10·896	+ ·57	...	11	19·11
701	6·8	15 49 47·38	+ ·01	+ 5·4606	+ ·094	— ·0007	64 44 50·9	+ ·5	+ ·4	— 10·787	+ ·67	— ·029	10	18·71
702	8·9	15 51 0·26	...	+ 4·5434	+ ·048	...	52 27 39·6	...	0	— 10·697	+ ·57	...	10	18·97
703†	8·2	15 51 46·29	...	+ 4·8683	+ ·060	...	57 45 37·4	...	— ·2	— 10·640	+ ·60	...	10	19·05
704	7	15 52 11·77	...	+ 5·3460	+ ·085	...	63 29 28·3	...	+ ·4	— 10·608	+ ·66	...	13	19·19
705	8·2	15 53 9·35	...	+ 4·7172	+ ·054	...	55 20 48·6	...	— ·2	— 10·537	+ ·59	...	10	18·87
706	7	15 55 13·96	...	+ 5·0702	+ ·069	...	60 13 7·5	...	— ·2	— 10·382	+ ·64	...	10	18·88
707	7·3	15 55 45·98	...	+ 4·9701	+ ·064	...	58 53 50·8	...	— ·2	— 10·342	+ ·63	...	10	18·98
708	8·5	15 56 36·73	...	+ 4·5029	+ ·044	...	51 15 59·2	...	+ ·1	— 10·278	+ ·57	...	10	19·15
709	7·8	16 0 6·48	...	+ 5·2075	+ ·072	...	61 31 54·0	...	— ·1	— 10·016	+ ·67	...	10	18·83
710	8·5	16 0 45·55	...	+ 4·6496	+ ·048	...	53 40 27·8	...	— ·1	— 9·965	+ ·59	...	10	19·55
711	6	16 1 5·12	+ ·07	+ 4·9058	+ ·061	— ·0038	57 39 56·0	+ 1·1	— ·2	— 9·941	+ ·63	— ·058	10	18·60
712	8·2	16 2 49·50	...	+ 5·0354	+ ·061	...	59 17 56·4	...	— ·2	— 9·809	+ ·65	...	10	19·56
713	8	16 2 59·12	...	+ 4·5491	+ ·045	...	51 42 16·5	...	+ ·1	— 9·796	+ ·59	...	10	18·68
714	9	16 4 9·17	...	+ 4·6210	+ ·046	...	52 56 40·2	...	0	— 9·707	+ ·59	...	10	18·86
715†	8·4	16 5 11·68	...	+ 5·3480	+ ·076	...	62 44 41·3	...	+ ·1	— 9·627	+ ·69	...	10	19·54
*716	5·2	16 5 35·35	+ ·03	+ 4·7097	+ ·048	— ·0016	54 22 18·6	+ ·8	— ·1	— 9·597	+ ·61	— ·043	13	18·76
*717	4·1	16 6 19·95	— ·01	+ 5·4228	+ ·077	+ ·0004	63 25 48·5	+ ·3	+ ·4	— 9·540	+ ·70	— ·018	16	18·88
718	8·4	16 7 27·37	...	+ 4·8485	+ ·051	...	56 26 1·0	...	— ·3	— 9·453	+ ·63	...	10	18·88
719	8·4	16 9 1·02	...	+ 5·2693	+ ·068	...	61 42 9·7	...	— ·1	— 9·332	+ ·68	...	10	18·77
720	7·8	16 10 5·73	...	+ 4·9805	+ ·055	...	58 8 34·1	...	— ·2	— 9·248	+ ·64	...	10	18·59

685. nf.
692. sf.
694. nf.

698. nf., sp.
703. nf.
715. nf.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	$\mu\alpha\Delta$E.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	$\mu\delta\Delta$E.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900 +
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
721	8·2	16 10 55·49	...	+ 5·5355	+ ·079	...	64 15 10·7	...	+ ·4	— 9·184	+ ·72	...	10	18·65
722	5·5	16 12 25·85	...	+ 4·7682	+ ·046	...	54 53 46·6	...	— ·2	— 9·067	+ ·62	...	10	18·61
723	8·4	16 14 24·38	...	+ 4·6318	+ ·041	...	52 29 14·2	...	0	— 8·913	+ ·61	...	10	18·62
724	7·8	16 15 58·71	...	+ 4·8018	+ ·046	...	55 13 4·8	...	— ·2	— 8·789	+ ·63	...	10	18·60
725	8·3	16 17 42·68	...	+ 4·7936	+ ·044	...	54 59 29·5	...	— ·2	— 8·652	+ ·63	...	10	19·46
726	7·8	16 18 10·79	...	+ 4·9063	+ ·048	...	56 39 14·8	...	— ·3	— 8·616	+ ·64	...	10	18·60
727	6	16 19 48·81	+ ·05	+ 5·0384	+ ·052	— ·0027	58 22 21·0	+ 1·0	— ·1	— 8·486	+ ·66	— ·053	10	18·60
728	7·5	16 20 0·36	...	+ 4·9365	+ ·048	...	56 59 6·5	...	— ·3	— 8·472	+ ·65	...	10	19·44
729	8	16 20 19·46	...	+ 5·4181	+ ·068	...	62 40 28·8	...	+ ·1	— 8·447	+ ·71	...	10	18·91
730†	8	16 21 8·54	...	+ 5·2233	+ ·059	...	60 33 29·8	...	— ·2	— 8·381	+ ·69	...	10	19·45
*731	5·5	16 21 55·99	+ ·02	+ 5·3038	+ ·061	— ·0013	61 24 43·0	+ ·1	— ·1	— 8·318	+ ·70	— ·003	11	18·76
732†	8·2	16 22 0·11	...	+ 4·6393	+ ·038	...	52 10 56·7	...	0	— 8·313	+ ·62	...	10	19·46
733	8	16 25 35·31	...	+ 4·5914	+ ·036	...	51 7 20·0	...	+ ·1	— 8·027	+ ·61	...	10	18·70
734	8	16 27 18·03	...	+ 5·6598	+ ·071	...	64 35 57·4	...	+ ·4	— 7·889	+ ·75	...	10	18·70
735	8·2	16 27 58·35	...	+ 4·7517	+ ·039	...	53 46 29·9	...	— ·1	— 7·835	+ ·64	...	10	18·97
736	6·5	16 30 1·83	...	+ 5·2806	+ ·055	...	60 47 11·9	...	— ·1	— 7·669	+ ·71	...	10	18·70
737	7·3	16 30 38·60	...	+ 5·0545	+ ·046	...	58 2 59·2	...	— ·2	— 7·619	+ ·69	...	10	19·08
738	7·6	16 31 21·93	...	+ 4·9591	+ ·043	...	56 44 0·8	...	— ·3	— 7·561	+ ·67	...	10	19·38
739†	7·8	16 31 46·83	...	+ 4·6703	+ ·035	...	52 13 2·0	...	0	— 7·527	+ ·63	...	10	19·08
740	8	16 33 33·87	...	+ 4·6178	+ ·033	...	51 12 0·3	...	+ ·1	— 7·382	+ ·63	...	10	18·80
741	8·6	16 34 46·79	...	+ 5·3407	+ ·054	...	61 14 10·2	...	— ·1	— 7·283	+ ·73	...	10	19·57
742	8·1	16 35 5·02	...	+ 4·8246	+ ·037	...	54 35 14·3	...	— ·2	— 7·259	+ ·66	...	10	18·70
743	7·6	16 38 43·10	...	+ 5·1988	+ ·047	...	59 29 7·3	...	— ·2	— 6·962	+ ·71	...	10	18·70
*744	3·7	16 41 9·00	— ·08	+ 5·1550	+ ·044	+ ·0044	58 51 46·4	+ ·9	— ·2	— 6·762	+ ·70	— ·045	17	19·00
745	6·5	16 42 10·67	+ ·02	+ 5·7997	+ ·064	— ·0009	65 12 2·8	+ ·4	+ ·3	— 6·676	+ ·78	— ·022	10	18·80
746	8·1	16 42 59·42	...	+ 5·5026	+ ·053	...	62 33 47·1	...	0	— 6·610	+ ·76	...	10	19·10
747	8·2	16 43 14·47	...	+ 5·6636	+ ·058	...	64 1 44·8	...	+ ·4	— 6·587	+ ·78	...	9	19·16
748	8·5	16 44 14·14	...	+ 4·9083	+ ·036	...	55 27 3·2	...	— ·2	— 6·507	+ ·68	...	10	19·08
749	9	16 44 38·44	...	+ 5·0450	+ ·039	...	57 19 50·8	...	— ·3	— 6·472	+ ·70	...	10	19·06
750	6	16 46 4·65	— ·02	+ 5·5713	+ ·053	+ ·0012	63 6 13·0	+ ·4	+ ·3	— 6·354	+ ·76	— ·023	9	18·62
751	7·8	16 46 40·80	...	+ 5·5138	+ ·045	...	60 30 42·9	...	— ·2	— 6·304	+ ·74	...	10	18·99
*752	3	16 50 20·55	+ ·05	+ 4·9511	+ ·034	— ·0027	55 49 56·4	+ ·8	— ·2	— 5·999	+ ·69	— ·041	10	18·87
753	5·5	16 50 34·78	+ ·01	+ 4·6190	+ ·027	— ·0004	50 28 59·8	+ 1·0	0	— 5·979	+ ·64	— ·051	10	19·19
754	7·5	16 51 11·44	...	+ 5·2117	+ ·039	...	59 10 21·3	...	— ·2	— 5·929	+ ·73	...	10	19·38
*755	4·1	16 51 36·69	+ ·01	+ 4·7680	+ ·029	— ·0004	53 0 23·0	0	0	— 5·893	+ ·67	+ ·001	11	18·79
756†	9	16 52 19·67	...	+ 4·6997	+ ·027	...	51 50 30·1	...	+ ·1	— 5·833	+ ·66	...	10	19·07
757	6·5	16 53 6·76	...	+ 5·1865	+ ·038	...	58 48 28·1	...	— ·2	— 5·767	+ ·73	...	10	18·71
758	8	16 54 1·41	...	+ 4·8364	+ ·030	...	54 0 11·7	...	— ·1	— 5·692	+ ·68	...	10	19·18
759	7·7	16 55 38·72	...	+ 4·6615	+ ·025	...	51 3 27·6	...	+ ·1	— 5·555	+ ·66	...	10	18·99
760	8·5	16 56 59·47	...	+ 4·9792	+ ·032	...	55 59 50·6	...	— ·2	— 5·443	+ ·71	...	10	18·81

730. sp.
732. np.
739. nf.
756. sp.

INTERMEDIATE STARS.

(51s–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	$\mu\alpha\Delta$E.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	$\mu\delta\Delta$E.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900 +
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
761	6·5	17 0 58·55	+ ·01	+ 5·4571	+ ·039	— ·0005	61 32 40·0	0	— ·1	— 5·105	+ ·77	·000	10	19·40
762	7·5	17 1 10·89	...	+ 5·3676	+ ·037	...	60 36 40·6	...	— ·2	— 5·088	+ ·76	...	10	19·10
763	7·5	17 2 57·95	...	+ 5·2316	+ ·033	...	59 2 27·0	...	— ·2	— 4·937	+ ·74	...	10	18·71
764	7·6	17 4 12·44	...	+ 4·8095	+ ·025	...	53 15 4·1	...	0	— 4·833	+ ·68	...	10	18·71
765	8	17 5 9·71	...	+ 5·7047	+ ·042	...	63 44 43·3	...	+ ·4	— 4·750	+ ·80	...	11	18·78
766	7·9	17 8 35·20	...	+ 5·5850	+ ·036	...	62 35 21·0	...	0	— 4·460	+ ·79	...	10	18·71
767	8·1	17 8 47·05	...	+ 4·9104	+ ·024	...	54 39 40·7	...	— ·2	— 4·442	+ ·70	...	10	19·58
768	8·2	17 10 13·03	...	+ 5·1075	+ ·027	...	57 19 42·7	...	— ·2	— 4·320	+ ·73	...	10	18·61
769	8·6	17 10 14·10	...	+ 4·7822	+ ·022	...	52 38 45·7	...	0	— 4·319	+ ·68	...	10	19·57
770	8	17 11 16·40	...	+ 4·8234	+ ·022	...	53 16 25·3	...	0	— 4·230	+ ·69	...	10	18·62
771	8	17 16 34·47	...	+ 5·2536	+ ·026	...	58 57 46·7	...	— ·2	— 3·776	+ ·75	...	10	19·11
*772	2·7	17 16 59·13	+ ·03	+ 4·9782	+ ·022	— ·0018	55 26 7·3	+ ·6	— ·2	— 3·740	+ ·71	— ·033	13	19·09
773	7·9	17 18 15·68	...	+ 5·8734	+ ·035	...	64 51 41·8	...	+ ·3	— 3·630	+ ·83	...	10	18·91
774	7	17 19 0·59	...	+ 4·7473	+ ·017	...	51 51 32·8	...	+ ·1	— 3·566	+ ·68	...	10	19·21
775	9·2	17 19 10·54	...	+ 5·7684	+ ·031	...	63 59 35·9	...	+ ·4	— 3·551	+ ·82	...	10	18·81
776	8	17 20 11·08	...	+ 5·4041	+ ·026	...	63 33 13·8	...	— ·2	— 3·465	+ ·77	...	10	19·40
777	7·5	17 20 14·55	...	+ 4·8800	+ ·019	...	53 56 5·5	...	— ·1	— 3·459	+ ·70	...	10	18·62
*778	3·6	17 22 4·05	+ ·14	+ 5·4119	+ ·025	— ·0076	60 36 2·5	+ 1·5	— ·2	— 3·303	+ ·77	— ·085	14	18·77
779	8·6	17 22 44·92	...	+ 5·4711	+ ·024	...	61 11 49·3	...	— ·1	— 3·244	+ ·78	...	11	18·80
780	8·4	17 23 22·14	...	+ 5·6918	+ ·026	...	63 15 54·9	...	+ ·4	— 3·191	+ ·82	...	10	18·63
781	9	17 25 20·50	...	+ 5·0905	+ ·018	...	56 47 19·1	...	— ·3	— 3·019	+ ·74	...	10	19·59
782	7·6	17 25 45·72	...	+ 5·5619	+ ·023	...	62 2 18·8	...	0	— 2·983	+ ·80	...	10	18·63
783	6·5	17 26 39·68	...	+ 5·3423	+ ·020	...	59 46 33·0	...	— ·2	— 2·905	+ ·76	...	10	18·63
784	8·5	17 27·7 21	...	+ 5·0110	+ ·016	...	55 41 36·1	...	— ·2	— 2·866	+ ·72	...	10	19·58
*785	5·5	17 29 52·68	+ ·05	+ 4·9254	+ ·015	— ·0027	54 26 2·4	+ 2·8	— ·2	— 2·627	+ ·71	— ·151	16	18·98
786†	8·5	17 31 21·00	...	+ 4·7182	+ ·012	...	51 8 24·7	...	+ ·1	— 2·499	+ ·68	...	10	18·73
787	8·1	17 34 47·86	...	+ 4·7600	+ ·011	...	51 47 28·8	...	+ ·1	— 2·200	+ ·69	...	10	18·83
*788	3·5	17 35 54·99	+ ·03	+ 5·8811	+ ·021	— ·0013	64 40 35·0	+ 1·1	+ ·4	— 2·104	+ ·85	— ·055	15	19·61
*789	5·5	17 36 12·20	+ ·03	+ 4·7605	+ ·011	— ·0015	51 46 54·2	+ 3·6	+ ·1	— 2·078	+ ·69	— ·201	10	18·74
790	8·5	17 37 17·77	...	+ 5·4764	+ ·016	...	61 2 56·1	...	— ·1	— 1·982	+ ·79	...	10	18·83
791	8	17 38 10·94	...	+ 5·7430	+ ·017	...	63 31 10·4	...	+ ·5	— 1·905	+ ·83	...	10	18·73
792†	7·5	17 40 17·73	+ ·08	+ 5·0000	+ ·010	— ·0043	55 21 53·0	— ·4	— ·2	— 1·721	+ ·72	+ ·022	10	18·81
793	8	17 42 14·41	...	+ 4·9541	+ ·009	...	54 41 50·6	...	— ·2	— 1·552	+ ·72	...	10	18·83
794	6·5	17 43 5·63	+ ·02	+ 4·8475	+ ·008	— ·0011	53 5 55·6	+ ·3	0	— 1·477	+ ·70	— ·016	9	18·75
795	7·2	17 44 25·58	...	+ 5·0587	+ ·009	...	56 7 36·1	...	— ·3	— 1·360	+ ·74	...	10	18·92
796	9	17 44 26·70	...	+ 5·4247	+ ·010	...	60 27 13·4	...	— ·2	— 1·359	+ ·79	...	9	18·63
797	8·1	17 47 0·80	...	+ 5·9061	+ ·010	...	64 47 8·2	...	+ ·4	— 1·135	+ ·86	...	10	18·83
798	8	17 49 59·63	...	+ 5·2633	+ ·006	...	58 38 28·3	...	— ·2	— ·0874	+ ·76	...	10	18·83
799	8·5	17 51 22·25	...	+ 5·6001	+ ·007	...	62 9 2·3	...	0	— ·0755	+ ·82	...	10	18·62
800†	7·5	17 51 56·07	...	+ 4·8108	+ ·004	...	52 27 50·5	...	0	— 0·705	+ ·70	...	10	18·94

786. nf.
792. sf.
800. sf., sp.

INTERMEDIATE STARS.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	μαΔE.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	μδΔE.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900 +
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
801	8·9	17 52 41·47	...	+ 5·3789	+ ·006	...	59 55 23·1	...	— ·2	— 0·638	+ ·78	...	10	19·14
802†	8·1	17 54 35·97	...	+ 5·0579	+ ·003	...	56 3 40·9	...	— ·2	— 0·472	+ ·74	...	10	19·63
803	7·5	17 55 7·13	...	+ 4·7610	+ ·002	...	51 38 42·0	...	+ ·2	— 0·427	+ ·70	...	10	18·84
804	7·3	17 58 12·32	...	+ 4·7676	+ ·002	...	51 44 57·0	...	+ ·1	— 0·158	+ ·70	...	10	19·04
*805	3·8	17 58 50·77	+ ·02	+ 4·6707	+ ·001	— ·0012	50 5 52·5	+ ·5	0	— 0·101	+ ·68	— ·028	14	19·43
*806	4·4	17 58 57·18	— ·05	+ 5·7734	+ ·001	+ ·0024	63 40 24·6	+ 3·6	+ ·4	— 0·092	+ ·84	— ·191	10	18·95
807	7·9	18 1 7·67	...	+ 5·3013	+ ·001	...	59 3 13·0	...	—· ·2	+ 0·099	+ ·78	...	10	19·52
808	5·8	18 1 8·27	+ ·22	+ 5·5881	+ ·000	— ·0117	62 1 17·2	—4·5	0	+ 0·099	+ ·82	+ ·239	10	18·94
809	8·0	18 2 32·32	...	+ 5·8129	— ·003	...	64 0 17·5	...	+ ·4	+ 0·222	+ ·85	...	10	18·62
810	8·0	18 3 12·35	...	+ 5·2284	+ ·002	...	58 12 28·9	...	— ·1	+ 0·280	+ ·76	...	11	18·93
811	6·9	18 5 6·52	...	+ 4·6979	— ·001	...	50 34 44·9	...	+ ·1	+ 0·447	+ ·68	...	10	18·82
812	8·1	18 7 28·18	...	+ 5·0076	— ·003	...	55 23 3·6	...	— ·1	+ 0·653	+ ·72	...	10	18·94
813	8·7	18 7 33·47	...	+ 4·7728	— ·002	...	51 50 54·1	...	+ ·1	+ ·0660	+ ·70	...	9	18·63
*814	5·5	18 8 42·08	+ ·09	+ 5·0564	— ·003	— ·0047	56 3 15·4	+ ·5	— ·2	+ 0·761	+ ·73	— ·026	12	19·06
815	8·1	18 10 30·54	...	+ 4·8305	— ·004	...	52 47 15·2	...	0	+ 0·920	+ ·70	...	10	19·04
816	7·9	18 11 43·35	...	+ 4·9594	— ·005	...	54 43 37·3	...	— ·1	+ 1·024	+ ·72	...	10	18·84
817	7·7	18 13 59·08	...	+ 5·4587	— ·008	...	60 47 37·7	...	— ·1	+ 1·222	+ ·79	...	10	19·04
*818	4·3	18 14 0·63	+ ·02	+ 5·5332	— ·009	— ·0010	61 32 21·4	— ·2	— ·1	+ 1·225	+ ·81	+ ·008	11	19·56
819	8·9	18 16 28·97	...	+ 4·9863	— ·007	...	55 8 36·8	...	— ·2	+ 1·440	+ ·72	...	10	19·04
820	7·6	18 17 38·10	...	+ 5·5100	— ·010	...	61 20 13·8	...	— ·1	+ 1·541	+ ·80	...	10	18·94
821	8	18 18 53·19	...	+ 5·0478	— ·008	...	56 0 34·8	...	— ·2	+ 1·650	+ ·73	...	10	19·65
822	7·2	18 18 59·50	...	+ 4·8506	— ·007	...	53 9 58·5	...	0	+ 1·660	+ ·70	...	10	18·94
823	8·5	18 20 19·21	...	+ 5·1381	— ·009	...	57 12 0·6	...	— ·2	+ 1·775	+ ·74	...	10	18·94
824	8	18 20 51·17	...	+ 5·7088	— ·013	...	63 12 50·8	...	+ ·4	+ 1·821	+ ·82	...	10	19·42
825†	8·2	18 22 11·26	...	+ 5·6129	— ·014	...	62 21 48·4	...	0	+ 1·937	+ ·81	...	10	19·13
826	8·2	18 24 16·05	...	+ 4·7249	— ·008	...	51 11 33·2	...	+ ·1	+ 2·118	+ ·68	...	10	19·14
827	8·9	18 24 29·23	...	+ 4·9431	— ·010	...	54 36 45·4	...	— ·2	+ 2·137	+ ·70	...	10	19·66
828	8	18 26 57·60	...	+ 5·4139	— ·016	...	60 27 18·0	...	— ·2	+ 2·353	+ ·78	...	10	19·06
829	8·8	18 27 15·56	...	+ 5·2495	— ·014	...	58 38 8·9	...	— ·2	+ 2·379	+ ·75	...	10	19·65
830	8·0	18 29 21·75	...	+ 5·9079	— ·024	...	64 56 45·6	...	+ ·4	+ 2·562	+ ·84	...	10	18·96
831	8	18 30 56·52	...	+ 4·8342	— ·013	...	53 4 9·1	...	0	+ 2·699	+ ·69	...	10	19·04
832	7	18 32 27·43	...	+ 5·0471	— ·015	...	56 10 40·3	...	— ·2	+ 2·829	+ ·71	...	10	19·04
833	8·1	18 33 37·22	...	+ 5·7511	— ·026	...	63 43 52·1	...	+ ·5	+ 2·930	+ ·81	...	10	19·04
834	8·6	18 34 34·69	...	+ 4·8961	— ·015	...	54 4 34·7	...	— ·1	+ 3·014	+ ·70	...	10	19·13
835	4·9	18 35 37·94	+ ·02	+ 5·8995	— ·030	— ·0008	64 57 57·6	+ 2·7	+ ·4	+ 3·104	+ ·84	— ·144	9	18·99
836	7·7	18 36 5·17	...	+ 5·4727	— ·023	...	61 11 34·8	...	— ·2	+ 3·143	+ ·78	...	9	19·64
837	7	18 36 54·93	...	+ 5·1022	— ·018	...	56 58 51·0	...	— ·1	+ 3·215	+ ·73	...	10	18·96
838	8·6	18 37 43·33	...	+ 5·2848	— ·022	...	59 12 32·2	...	— ·2	+ 3·284	+ ·75	...	10	19·24
839	7·8	18 38 48·98	...	+ 5·5850	— ·027	...	62 19 58·5	...	0	+ 3·379	+ ·79	...	10	19·06
840†	8·5	18 40 5·65	...	+ 4·7736	— ·015	...	52 16 28·4	...	+ ·1	+ 3·490	+ ·68	...	10	19·25

802. np.
825. sf.
840. nf.

INTERMEDIATE STARS.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0	$\mu\alpha\Delta$E.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	$\mu\delta\Delta$E.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900 +
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
841	8·8	18 41 54·26	...	+ 5·2443	— ·023	...	58 49 19·1	...	— ·2	+ 3·644	+ ·74	...	10	19·2
*842	4·3	18 42 57·16	+ ·04	+ 5·5737	— ·030	— ·0023	62 18 7·7	+ ·2	0	+ 3·735	+ ·79	— ·011	10	19·0
843	8·3	18 45 30·52	...	+ 5·2715	— ·026	...	59 12 47·9	...	— ·2	+ 3·955	+ ·75	...	10	19·2
844	7·9	18 47 21·51	...	+ 5·0522	— ·023	...	56 32 51·4	...	— ·2	+ 4·112	+ ·72	...	10	18·9
845	5·5	18 49 42·96	+ ·34	+ 5·3635	— ·030	— ·0177	60 19 54·8	— ·8	— ·2	+ 4·315	+ ·76	+ ·044	10	19·0
*846	5·0	18 50 27·85	— ·04	+ 4·8075	— ·019	+ ·0020	53 4 10·7	— ·3	0	+ 4·379	+ ·68	+ ·014	17	19·2
847	6·2	18 51 43·79	...	+ 5·6289	— ·037	...	63 0 3·9	...	+ ·3	+ 4·487	+ ·80	...	10	18·9
848	8·2	18 52 4·66	...	+ 4·9425	— ·023	...	55 9 3·9	...	— ·2	+ 4·516	+ ·69	...	10	19·6
849	8·3	18 53 32·20	...	+ 5·0828	— ·026	...	57 6 26·7	...	— ·2	+ 4·640	+ ·71	...	10	19·0
850	8·5	18 54 45·56	...	+ 4·8827	— ·025	...	54 20 53·5	...	— ·2	+ 4·745	+ ·68	...	10	19·6
851	7	18 56 9·94	...	+ 4·6827	— ·020	...	51 9 34·7	...	+ ·2	+ 4·864	+ ·66	...	10	18·9
*852	5·5	18 58 25·02	— ·05	+ 4·7571	— ·022	+ ·0027	52 29 17·1	+ 2·2	+ ·1	+ 5·054	+ ·67	— ·118	10	18·9
853†	8·5	19 0 4·55	...	+ 5·2625	— ·034	...	59 29 10·4	...	— ·2	+ 5·195	+ ·74	...	10	18·9
854†	8·5	19 0 32·66	...	+ 5·4848	— ·039	...	61 51 46·9	...	0	+ 5·235	+ ·77	...	11	19·5
855	8·2	19 1 31·68	...	+ 5·7679	— ·049	...	64 27 1·0	...	+ ·4	+ 5·318	+ ·81	...	10	18·9
856	7·5	19 3 2·02	...	+ 5·0133	— ·030	...	56 28 3·4	...	— ·2	+ 5·444	+ ·70	...	10	18·9
857†	8·5	19 4 26·75	...	+ 4·7143	— ·024	...	51 58 31·4	...	+ ·2	+ 5·563	+ ·66	...	9	19·0
858	8·2	19 8 20·15	...	+ 4·9075	— ·030	...	55 9 21·2	...	— ·1	+ 5·889	+ ·67	...	10	18·9
859	8	19 9 38·47	...	+ 4·6856	— ·026	...	51 40 20·0	...	+ ·2	+ 5·997	+ ·65	...	10	18·9
860	8·5	19 9 38·82	...	+ 5·4230	— ·045	...	61 31 13·1	...	0	+ 5·999	+ ·75	...	11	19·7
861	8·7	19 10 40·87	...	+ 5·1833	— ·039	...	58 53 57·2	...	— ·2	+ 6·085	+ ·71	...	10	18·9
*862	8·0	19 11 49·99	— ·03	+ 4·6853	— ·026	+ ·0018	51 45 8·6	+ ·9	+ ·2	+ 6·181	+ ·64	— ·047	17	19·3
863	8·2	19 13 3·99	...	+ 4·9649	— ·036	...	56 9 14·4	...	— ·2	+ 6·283	+ ·68	...	10	18·9
864	8·5	19 15 6·68	...	+ 5·6160	— ·055	...	63 33 5·5	...	+ ·5	+ 6·453	+ ·76	...	10	19·6
865	7·0	19 15 36·20	...	+ 4·8214	— ·038	...	54 8 8·5	...	— ·1	+ 6·493	+ ·65	...	10	18·9
866	8·0	19 16 36·81	...	+ 5·4848	— ·051	...	62 22 35·5	...	0	+ 6·577	+ ·75	...	10	18·9
867	8·0	19 18 14·28	...	+ 5·0204	— ·038	...	57 7 4·2	...	— ·2	+ 6·711	+ ·68	...	10	18·8
868	8·2	19 19 44·01	...	+ 4·7275	— ·030	...	52 47 46·6	...	0	+ 6·834	+ ·64	...	10	19·4
*869†	5·7	19 19 46·29	+ ·11	+ 4·8353	— ·033	— ·0057	54 31 28·8	— ·3	— ·1	+ 6·837	+ ·65	+ ·015	14	19·2
870	6·4	19 21 43·70	...	+ 4·9044	— ·037	...	55 38 38·4	...	— ·1	+ 6·998	+ ·65	...	10	18·8
871	8	19 22 3·40	...	+ 5·1912	— ·045	...	59 25 34·1	...	+ ·2	+ 7·024	+ ·70	...	9	19·6
872	8	19 23 26·30	...	+ 5·2778	— ·050	...	60 28 38·1	...	— ·1	+ 7·138	+ ·71	...	10	18·8
873	8	19 24 35·38	...	+ 5·5474	— ·060	...	63 16 7·8	...	+ ·4	+ 7·231	+ ·74	...	9	18·9
874	8	19 25 5·46	...	+ 5·7732	— ·069	...	65 14 38·1	...	+ ·4	+ 7·272	+ ·77	...	11	19·6
875	8·2	19 26 19·78	...	+ 5·5086	— ·060	...	62 58 24·3	...	+ ·3	+ 7·374	+ ·74	...	10	18·9
876	8·5	19 27 38·48	...	+ 4·7381	— ·035	...	53 20 8·6	...	0	+ 7·481	+ ·63	...	10	18·9
877	7·9	19 30 10·38	...	+ 5·6906	— ·070	...	64 45 31·7	...	+ ·4	+ 7·685	+ ·75	...	10	19·0
878	8·0	19 31 6·81	...	+ 5·0798	— ·047	...	58 27 25·8	...	— ·1	+ 7·761	+ ·67	...	9	19·6
879	8·5	19 31 6·89	...	+ 4·9368	— ·042	...	56 32 17·6	...	— ·2	+ 7·761	+ ·65	...	9	19·0
880	8	19 34 0·95	...	+ 5·1314	— ·050	...	59 14 16·1	...	— ·2	+ 7·995	+ ·67	...	10	19·6

853. nf.
854. sf., np.

857. sp.
869. nf.

INTERMEDIATE STARS.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	$\mu\alpha\Delta$E.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	$\mu\delta\Delta$E.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900 +
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
881	8·2	19 34 2·79	...	+ 4·9866	— ·045	...	57 22 17·5	...	— ·2	+ 7·997	+ ·66	...	10	19·12
882	8·0	19 38 1·31	...	+ 4·7602	— ·040	...	54 13 36·8	...	— ·1	+ 8·314	+ ·62	...	9	19·12
883†	8·5	19 38 3·70	...	+ 4·5769	— ·033	...	51 3 15·1	...	+ ·2	+ 8·318	+ ·60	...	9	19·69
*884	5·5	19 39 51·55	— ·20	+ 4·9101	— ·046	+ ·0105	56 36 12·7	+ 2·8	— ·2	+ 8·461	+ ·64	— ·149	20	19·39
885	6·5	19 41 8·46	...	+ 4·6839	— ·038	...	53 8 0·0	...	+ ·1	+ 8·562	+ ·61	...	10	19·00
886	7·8	19 43 10·31	...	+ 5·5642	— ·075	...	64 13 25·3	...	+ ·5	+ 8·722	+ ·72	...	9	19·14
887	8·2	19 43 43·62	...	+ 4·9897	— ·052	...	57 55 4·2	...	— ·2	+ 8·767	+ ·65	...	9	19·70
888	7	19 44 7·63	...	+ 4·5676	— ·036	...	51 13 46·1	...	+ ·2	+ 8·798	+ ·59	...	9	19·14
*889	6	19 45 56·75	— ·05	+ 5·2690	— ·064	+ ·0028	61 25 44·0	— ·3	0	+ 8·941	+ ·68	+ ·015	16	19·21
890	6·5	19 47 38·42	...	+ 4·7253	— ·043	...	54 12 27·1	...	— ·1	+ 9·072	+ ·60	...	10	19·00
891†	8·1	19 50 29·40	...	+ 4·5975	— ·040	...	52 10 16·8	...	+ ·1	+ 9·294	+ ·58	...	10	18·93
892	8	19 51 23·84	...	+ 5·1433	— ·061	...	60 17 26·4	...	— ·2	+ 9·365	+ ·66	...	10	18·91
893	8·2	19 52 15·58	...	+ 4·5353	— ·038	...	51 7 33·0	...	+ ·2	+ 9·432	+ ·58	...	10	19·67
894	8·0	19 52 43·47	...	+ 5·0068	— ·056	...	58 39 31·3	...	— ·1	+ 9·468	+ ·63	...	10	18·83
895	8·0	19 56 12·48	...	+ 5·3995	— ·077	...	63 20 27·6	...	+ ·4	+ 9·734	+ ·68	...	10	18·84
896	9·1	19 56 40·11	...	+ 5·3112	— ·074	...	62 28 9·0	...	0	+ 9·769	+ ·67	...	10	19·67
897†	8·5	19 57 51·74	...	+ 4·6151	— ·044	...	52 58 28·3	...	0	+ 9·861	+ ·58	...	10	18·84
*898	5·1	19 59 43·56	+ ·05	+ 4·6188	— ·045	— ·0027	53 10 1·0	0	0	+ 10·003	+ ·58	— ·001	10	18·84
899†	8·5	20 1 17·43	...	+ 4·6958	— ·048	...	54 36 0·5	...	+ ·1	+ 10·121	+ ·58	...	10	18·93
900	8·1	20 4 13·45	...	+ 4·5668	— ·046	...	52 32 29·8	...	— ·1	+ 10·341	+ ·56	...	10	18·84
901	8·8	20 4 22·51	...	+ 5·0991	— ·068	...	60 32 51·9	...	+ ·4	+ 10·353	+ ·63	...	10	19·69
902	8·3	20 5 49·38	...	+ 5·4617	— ·090	...	64 29 30·3	...	— ·2	+ 10·460	+ ·67	...	10	18·84
903†	8	20 6 54·46	...	+ 4·8415	— ·057	...	57 16 32·2	...	0	+ 10·541	+ ·59	...	10	19·69
904	8·2	20 7 24·86	...	+ 5·2501	— ·078	...	62 28 2·3	...	— ·2	+ 10·580	+ ·65	...	10	18·84
905	8·8	20 8 8·85	...	+ 4·8043	— ·056	...	56 48 35·4	...	+ ·5	+ 10·634	+ ·58	...	10	19·49
906	7·3	20 10 13·72	...	+ 5·3354	— ·085	...	63 32 17·5	...	+ ·2	+ 10·788	+ ·65	...	10	18·84
907	7·5	20 10 53·42	...	+ 4·4807	— ·043	...	51 23 41·6	...	— ·1	+ 10·836	+ ·54	...	10	19·69
908	6·5	20 12 45·66	...	+ 4·6914	— ·053	...	55 21 47·1	...	0	+ 10·974	+ ·56	...	10	18·84
909	9·2	20 13 20·00	...	+ 4·5596	— ·047	...	53 6 0·0	...	— ·2	+ 11·015	+ ·55	...	10	19·69
910	8·5	20 16 31·84	...	+ 5·0106	— ·071	...	60 17 5·4	...	— ·2	+ 11·248	+ ·60	...	10	18·84
911	8·2	20 17 6·60	...	+ 4·7259	— ·056	...	56 15 40·2	...	— ·2	+ 11·290	+ ·56	...	10	19·68
*912	1·8	20 17 44·34	— ·01	+ 4·7734	— ·059	+ ·0005	57 3 21·6	+ 1·5	+ ·2	+ 11·335	+ ·57	— ·086	10	18·75
913	8·5	20 20 16·12	...	+ 5·1994	— ·084	...	62 47 1·7	...	+ ·1	+ 11·517	+ ·61	...	10	19·00
914†	9	20 21 10·53	...	+ 4·5059	— ·048	...	52 43 48·4	...	+ ·2	+ 11·581	+ ·53	...	8	19·44
915	8	20 21 42·25	...	+ 4·4374	— ·045	...	51 24 54·7	...	— ·1	+ 11·619	+ ·52	...	10	19·02
916	8·3	20 25 13·60	...	+ 4·8264	— ·066	...	58 26 58·0	...	+ ·5	+ 11·870	+ ·56	...	10	18·76
917	7·5	20 26 4·25	...	+ 5·2411	— ·092	...	63 39 5·5	...	0	+ 11·928	+ ·61	...	10	18·85
918	8·2	20 26 27·83	...	+ 4·5052	— ·050	...	53 10 40·2	...	— ·1	+ 11·957	+ ·51	...	10	19·68
*919	4·8	20 27 18·28	— ·13	+ 4·9959	— ·077	+ ·0071	60 55 9·3	+ 3·1	0	+ 12·015	+ ·57	— ·168	16	19·12
*920	5	20 29 12·54	— ·13	+ 5·0612	— ·083	+ ·0067	61 52 25·9	+ 1·2	— ·1	+ 12·149	+ ·58	— ·063	11	18·84

883. nf.
891. sp.
897. nf.
899. nf.
903. Double sp.
914. nf.

INTERMEDIATE STARS.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	$\mu\alpha\Delta$E.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	$\mu\delta\Delta$E.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900+
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
921	6·9	20 30 0·24	...	+ 4·7839	— ·066	...	58 13 16·3	...	— ·1	+ 12·203	+ ·54	...	10	19·30
922†	8·7	20 31 19·42	...	+ 4·6068	— ·057	...	55 28 23·2	...	+ ·4	+ 12·296	+ ·52	...	10	19·03
923	8·0	20 32 0·52	...	+ 5·2836	— ·099	...	64 32 4·4	...	— ·1	+ 12·343	+ ·59	...	10	18·76
924	8·3	20 34 18·21	...	+ 4·5598	— ·056	...	54 54 44·8	...	— ·2	+ 12·499	+ ·51	...	10	18·76
925	8·5	20 34 51·57	...	+ 4·6202	— ·060	...	56 1 49·6	...	— ·2	+ 12·538	+ ·51	...	10	19·11
*926	4·8	20 36 42·17	— ·28	+ 4·4119	— ·050	+ ·0153	52 16 41·7	+ ·9	+ ·1	+ 12·663	+ ·49	— ·048	10	18·76
927	8·5	20 38 3·47	...	+ 4·6793	— ·064	...	57 18 51·5	...	— ·2	+ 12·754	+ ·52	...	10	18·84
928	8·0	20 39 14·43	...	+ 4·3479	— ·048	...	51 10 6·0	...	+ ·2	+ 12·834	+ ·48	...	10	18·84
929	7·7	20 40 52·75	...	+ 4·8118	— ·075	...	59 36 2·3	...	— ·2	+ 12·944	+ ·53	...	10	18·85
930†	8·2	20 43 29·80	...	+ 4·9561	— ·085	...	61 47 16·4	...	0	+ 13·118	+ ·53	...	10	19·58
*931	5·3	20 44 16·42	— ·01	+ 4·3613	— ·052	+ ·0005	51 58 50·4	+ ·7	+ ·1	+ 13·169	+ ·46	— ·037	10	18·86
932	7·0	20 45 46·96	...	+ 4·8135	— ·078	...	60 5 2·0	...	— ·2	+ 13·269	+ ·51	...	10	18·77
*933	3·6	20 46 59·94	— ·03	+ 4·7209	— ·073	+ ·0015	58 49 54·2	+ ·5	— ·1	+ 13·348	+ ·50	— ·026	6	19·73
934	6·9	20 47 26·80	...	+ 4·3062	— ·050	...	51 6 18·4	...	+ ·2	+ 13·378	+ ·46	...	10	18·77
935†	9·0	20 49 59·70	...	+ 5·1580	— ·094	...	64 42 43·3	...	+ ·4	+ 13·543	+ ·53	...	10	19·70
936	8·0	20 50 24·84	...	+ 4·9988	— ·105	...	62 56 58·2	...	+ ·2	+ 13·570	+ ·54	...	10	18·77
937	7·5	20 51 23·71	...	+ 5·0175	— ·096	...	63 15 48·1	...	+ ·4	+ 13·633	+ ·53	...	10	19·70
938	8·0	20 51 41·77	...	+ 4·7170	— ·076	...	59 14 42·6	...	— ·1	+ 13·652	+ ·49	...	10	18·96
*939	6·0	20 53 14·56	+ ·19	+ 4·3018	— ·052	— ·0098	51 39 23·4	— 2·4	+ ·2	+ 13·751	+ ·45	+ ·127	11	19·84
940	7·0	20 53 24·47	...	+ 4·4163	— ·058	...	54 7 37·4	...	— ·1	+ 13·761	+ ·46	...	10	18·93
941	8·5	20 55 36·18	...	+ 4·3183	— ·054	...	52 17 50·6	...	+ ·1	+ 13·900	+ ·45	...	10	18·94
942	8·5	20 56 53·74	...	+ 4·4292	— ·061	...	54 46 53·4	...	— ·1	+ 13·982	+ ·46	...	10	19·01
943	7·0	20 57 53·05	— ·03	+ 4·4407	— ·062	+ ·0014	55 7 20·5	+ ·9	— ·1	+ 14·043	+ ·46	— ·050	10	18·86
944	8·9	20 59 10·39	...	+ 4·8085	— ·087	...	61 21 6·3	...	— ·1	+ 14·123	+ ·48	...	9	19·14
945	6·8	20 59 35·42	...	+ 4·7384	— ·083	...	60 23 29·0	...	— ·2	+ 14·149	+ ·48	...	10	19·71
946	8·0	21 0 33·82	...	+ 4·3997	— ·061	...	54 36 55·9	...	— ·1	+ 14·210	+ ·45	...	11	19·03
947	8	21 1 41·29	...	+ 4·5894	— ·073	...	58 16 7·6	...	— ·1	+ 14·278	+ ·46	...	10	19·12
948	7·5	21 1 49·51	...	+ 5·0315	— ·106	...	64 25 42·4	...	+ ·4	+ 14·288	+ ·52	...	10	19·63
949	8·1	21 2 40·98	...	+ 4·2387	— ·052	...	51 18 48·8	...	+ ·2	+ 14·340	+ ·42	...	10	19·05
950	8·0	21 5 44·95	...	+ 4·2480	— ·054	...	51 55 21·6	...	+ ·1	+ 14·526	+ ·42	...	10	19·00
951	7·5	21 6 15·29	...	+ 4·4044	— ·063	...	55 23 56·8	...	— ·1	+ 14·556	+ ·43	...	10	19·71
952	8·0	21 7 39·35	...	+ 4·6125	— ·078	...	59 20 28·2	...	— ·2	+ 14·640	+ ·45	...	10	18·97
953	9·2	21 7 55·26	...	+ 4·4750	— ·068	...	56 58 17·9	...	— ·2	+ 14·656	+ ·44	...	10	19·74
*954	6	21 8 37·55	— ·02	+ 4·3085	— ·059	+ ·0009	53 40 36·8	+ ·8	0	+ 14·698	+ ·42	— ·043	11	19·02
955	8·5	21 10 1·94	...	+ 4·5153	— ·072	...	57 58 2·4	...	— ·2	+ 14·781	+ ·44	...	10	19·05
956	8·4	21 10 51·03	...	+ 4·8734	— ·100	...	63 28 1·0	...	+ ·5	+ 14·830	+ ·47	...	10	18·96
957	7·5	21 15 5·81	...	+ 4·2120	— ·055	...	52 17 59·7	...	+ ·1	+ 15·077	+ ·39	...	10	18·96
958	8·8	21 15 15·97	...	+ 4·6389	— ·086	...	60 40 27·3	...	— ·1	+ 15·087	+ ·44	...	10	19·73
959	8·8	21 16 45·05	...	+ 4·6549	— ·088	...	61 6 6·9	...	— ·1	+ 15·172	+ ·44	...	10	18·98
*960	6·4	21 19 7·64	0	+ 4·3090	— ·063	— ·0001	55 5 31·7	— ·8	— ·1	+ 15·307	+ ·40	+ ·041	16	19·33

922. nf.
930. nf. wide.
935. sf.

INTERMEDIATE STARS.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	$\mu_\alpha\Delta E.$	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	$\mu_\delta\Delta E.$	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900+
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
961	8·9	21 22 15·41	...	+ 4·3404	— ·066	...	56 11 39·5	...	— ·2	+ 15·482	+ ·40	...	10	19·15
962	9·0	21 23 4·76	...	+ 4·7083	— ·097	...	62 40 35·8	...	+ ·1	+ 15·528	+ ·42	...	10	19·06
963	8·0	21 24 9·46	...	+ 4·6250	— ·091	...	61 34 25·8	...	— ·1	+ 15·587	+ ·41	...	9	19·02
964†	8·8	21 24 10·69	...	+ 4·2115	— ·059	...	53 35 8·2	...	0	+ 15·589	+ ·38	...	9	19·74
965	8·6	21 26 9·68	...	+ 4·4367	— ·076	...	58 38 50·3	...	— ·2	+ 15·696	+ ·40	...	10	19·04
966	8·2	21 27 54·85	...	+ 4·7172	— ·102	...	63 24 44·1	...	+ ·5	+ 15·792	+ ·41	...	10	18·97
967	7·5	21 29 51·45	...	+ 4·0884	— ·053	...	51 17 15·2	...	+ ·2	+ 15·896	+ ·35	...	10	19·07
968	8·5	21 30 28·33	...	+ 4·7530	— ·107	...	64 13 38·4	...	+ ·5	+ 15·928	+ ·41	...	10	19·74
969	6·3	21 33 10·16	...	+ 4·1253	— ·057	...	52 48 38·1	...	0	+ 16·071	+ ·35	...	10	18·97
970	7·6	21 36 40·56	...	+ 4·5798	— ·096	...	62 34 14·4	...	0	+ 16·253	+ ·38	...	10	18·88
971	7·9	21 37 18·52	...	+ 4·2248	— ·066	...	55 55 47·8	...	— ·2	+ 16·285	+ ·35	...	10	18·91
972	8·8	21 40 4·71	...	+ 4·6706	— ·108	...	64 23 11·4	...	+ ·4	+ 16·425	+ ·38	...	10	19·35
973	8	21 42 17·23	...	+ 4·0337	— ·055	...	51 49 44·8	...	+ ·1	+ 16·534	+ ·32	...	10	18·88
974	8·4	21 43 16·26	...	+ 4·3108	— ·077	...	58 46 7·0	...	— ·1	+ 16·583	+ ·34	...	9	19·76
975	7·5	21 45 47·32	...	+ 4·2456	— ·073	...	57 48 12·9	...	— ·2	+ 16·706	+ ·33	...	10	18·80
976	8·8	21 46 34·70	...	+ 4·4172	— ·089	...	61 20 48·2	...	0	+ 16·744	+ ·34	...	10	19·44
977	8·5	21 47 29·12	...	+ 4·0630	— ·060	...	53 35 43·6	...	0	+ 16·787	+ ·32	...	10	18·80
*978	4·6	21 51 7·04	— ·13	+ 4·1080	— ·065	+ ·0064	55 28 4·1	+ ·5	— ·1	+ 16·959	+ ·31	— ·024	10	19·66
979	7·2	21 51 26·08	...	+ 4·2790	— ·081	...	59 29 20·6	...	— ·2	+ 16·974	+ ·32	...	10	18·80
980	8·8	21 52 49·12	...	+ 4·4303	— ·095	...	62 35 20·1	...	+ ·1	+ 17·038	+ ·33	...	9	19·75
981	7·9	21 52 59·85	...	+ 4·5086	— ·104	...	63 54 34·7	...	+ ·4	+ 17·046	+ ·32	...	10	18·81
982†	8·2	21 54 57·68	...	+ 4·0496	— ·063	...	54 38 13·7	...	— ·1	+ 17·136	+ ·30	...	10	19·46
*983	4·9	21 55 51·63	— 8·87	+ 4·1419	— ·071	+ ·4818	57 12 34·4	+ 47·7	— ·2	+ 17·177	+ ·30	— 2·591	16	19·17
984	8·5	21 57 48·17	...	+ 4·1099	— ·069	...	56 46 58·0	...	— ·3	+ 17·263	+ ·30	...	10	18·80
985	8·5	21 57 52·28	...	+ 3·9636	— ·058	...	52 41 43·8	...	+ ·1	+ 17·266	+ ·28	...	10	19·76
986	6·0	21 58 49·86	— ·08	+ 4·2457	— ·083	+ ·0042	60 7 12·0	+ ·9	— ·2	+ 17·309	+ ·30	— ·050	10	18·80
987	8·4	22 0 52·29	...	+ 4·1080	— ·071	...	57 20 17·4	...	— ·2	+ 17·398	+ ·29	...	10	18·80
988	8·5	22 3 27·08	...	+ 4·4381	— ·108	...	64 31 17·7	...	+ ·4	+ 17·509	+ ·30	...	10	18·81
989	8	22 4 16·39	...	+ 4·2408	— ·086	...	61 2 22·5	...	— ·1	+ 17·544	+ ·29	...	10	19·66
990	7·5	22 6 55·74	...	+ 4·2600	— ·091	...	61 56 36·1	...	— ·1	+ 17·656	+ ·28	...	10	18·81
991†	7·5	22 7 25·32	...	+ 3·9999	— ·065	...	55 47 37·2	...	— ·1	+ 17·676	+ ·27	...	10	19·65
992	8·5	22 8 48·74	...	+ 3·9455	— ·062	...	54 28 41·4	...	— ·1	+ 17·733	+ ·26	...	10	18·80
*993	2·9	22 11 39·06	+ ·21	+ 4·1595	— ·084	— ·0111	60 45 30·1	+ ·6	— ·1	+ 17·847	+ ·27	— ·031	14	19·64
*994	5·6	22 11 43·27	— ·83	+ 3·9130	— ·060	+ ·0459	54 6 43·1	+ 12·3	— ·1	+ 17·850	+ ·26	— ·681	10	18·80
995	8·1	22 12 37·76	...	+ 4·1092	— ·080	...	59 47 55·6	...	— ·2	+ 17·886	+ ·26	...	10	18·81
996	8·7	22 13 39·40	...	+ 3·8803	— ·059	...	53 28 51·1	...	0	+ 17·926	+ ·25	...	10	19·75
997	8·2	22 14 5·45	...	+ 4·1445	— ·084	...	60 55 57·8	...	— ·1	+ 17·943	+ ·26	...	10	18·80
998	8·0	22 16 3·28	...	+ 3·9625	— ·067	...	56 39 22·8	...	— ·3	+ 18·019	+ ·25	...	10	18·80
999	8·8	22 16 16·95	...	+ 3·8016	— ·052	...	51 17 16·9	...	+ ·2	+ 18·028	+ ·23	...	10	19·67
1000	5·0	22 18 18·24	— ·2	+ 4·0014	— ·073	+ ·0170	58 17 45·8	+ 6·4	— ·2	+ 18·104	+ ·24	— ·342	10	18·80

964. Following star.
982. sf.
991. sp.

INTERMEDIATE STARS.

(51s° 65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	μαΔE.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	μδΔE.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900 +
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
1001	8·1	22 19 41·16	...	+ 4·1865	— ·094	...	63 2 49·2	...	+ ·2	+ 18·156	+ ·25	...	10	18·80
1002	8·5	22 22 23·10	...	+ 4·0190	— ·078	...	59 44 26·9	...	— ·2	+ 18·255	+ ·24	...	10	19·78
1003	8·1	22 25 15·08	...	+ 3·8086	— ·058	...	53 53 43·4	...	— ·1	+ 18·357	+ ·22	...	10	18·89
*1004	6·5	22 26 14·64	— ·05	+ 4·0934	— ·090	+ ·0027	62 29 45·4	+ ·7	0	+ 18·392	+ ·23	— ·034	19	19·32
1005	7·0	22 28 0·09	...	+ 3·8131	— ·060	...	54 48 46·3	...	— ·2	+ 18·452	+ ·21	...	10	18·89
1006	6·5	22 29 22·40	...	+ 3·7343	— ·053	...	52 7 14·2	...	+ ·1	+ 18·499	+ ·20	...	10	18·89
1007	8·2	22 29 46·55	...	+ 3·8079	— ·060	...	55 7 18·8	...	— ·1	+ 18·513	+ ·21	...	10	19·76
1008	8·4	22 31 20·00	...	+ 3·8912	— ·071	...	58 22 20·2	...	— ·2	+ 18·564	+ ·20	...	10	18·89
1009	8	22 33 21·92	...	+ 3·6949	— ·050	...	51 12 5·6	...	+ ·1	+ 18·631	+ ·19	...	10	18·98
1010	8·5	22 34 22·80	...	+ 4·1027	— ·100	...	64 40 4·5	...	+ ·4	+ 18·663	+ ·21	...	10	18·98
1011†	8·4	22 35 48·56	...	+ 3·8276	— ·067	...	57 33 44·8	...	— ·2	+ 18·709	+ ·19	...	10	19·07
1012	8	22 37 13·73	...	+ 3·9331	— ·081	...	61 14 50·7	...	— ·1	+ 18·753	+ ·20	...	10	19·78
1013	8·7	22 38 13·22	...	+ 3·7863	— ·064	...	56 48 59·2	...	— ·2	+ 18·783	+ ·19	...	11	19·20
1014†	9	22 38 42·82	...	+ 3·9869	— ·089	...	63 5 13·9	...	+ ·2	+ 18·798	+ ·19	...	9	19·74
1015†	8·9	22 39 23·40	...	+ 3·8996	— ·079	...	60 53 37·3	...	— ·1	+ 18·811	+ ·19	...	8	19·19
1016	6·5	22 39 53·82	...	+ 3·7406	— ·060	...	55 35 21·3	...	— ·2	+ 18·834	+ ·18	...	9	19·35
1017	8·8	22 40 25·29	...	+ 3·6869	— ·055	...	53 29 27·7	...	0	+ 18·850	+ ·17	...	9	19·79
1018	6·4	22 41 52·60	...	+ 3·9203	— ·085	...	62 12 42·4	...	0	+ 18·893	+ ·18	...	10	19·07
*1019	3·6	22 42 31·21	— ·21	+ 3·6367	— ·052	+ ·0111	51 50 35·0	+ 1·2	+ ·1	+ 18·911	+ ·16	— ·062	9	19·78
1020	7·8	22 44 54·18	...	+ 3·8064	— ·073	...	59 37 37·8	...	— ·2	+ 18·979	+ ·17	...	10	19·08
1021	8·2	22 44 59·62	...	+ 3·7736	— ·069	...	58 30 10·0	...	— ·1	+ 18·982	+ ·17	...	10	19·77
*1022	6·4	22 45 40·64	+ ·03	+ 3·9347	— ·091	— ·0013	63 43 4·7	+ ·8	+ ·4	+ 19·001	+ ·17	— ·043	12	19·59
1023	8·8	22 46 38·38	...	+ 3·6257	— ·052	...	52 45 18·5	...	0	+ 19·028	+ ·15	...	10	19·77
1024	8·2	22 52 45·67	...	+ 3·6746	— ·064	...	57 18 30·5	...	— ·2	+ 19·190	+ ·15	...	10	19·78
1025	7·5	22 53 4·93	...	+ 3·7578	— ·075	...	60 41 32·1	...	— ·2	+ 19·198	+ ·15	...	10	19·18
*1026	4·1	22 54 58·54	+ ·14	+ 3·5742	— ·053	— ·0074	53 17 25·9	+ ·1	0	+ 19·245	+ ·14	— ·005	15	19·20
1027	8	22 55 54·45	...	+ 3·8577	— ·093	...	64 50 3·8	...	+ ·4	+ 19·267	+ ·15	...	11	19·22
1028	8·8	22 57 13·52	...	+ 3·5554	— ·051	...	53 11 8·3	...	0	+ 19·299	+ ·14	...	10	19·78
1029	7·9	22 57 17·04	...	+ 3·6020	— ·058	...	55 42 18·6	...	— ·2	+ 19·300	+ ·13	...	10	19·12
1030	9	22 59 0·92	...	+ 3·6507	— ·067	...	58 42 32·8	...	— ·1	+ 19·340	+ ·13	...	9	19·30
1031	8	22 59 40·74	...	+ 3·7191	— ·078	...	61 43 53·7	...	— ·1	+ 19·356	+ ·13	...	10	19·80
1032	8·5	23 0 22·31	...	+ 3·6519	— ·068	...	59 18 44·8	...	— ·2	+ 19·371	+ ·13	...	10	19·24
1033†	8	23 1 28·06	...	+ 3·4928	— ·048	...	51 13 36·6	...	+ ·1	+ 19·396	+ ·12	...	10	19·10
1034	8·5	23 3 8·40	...	+ 3·4996	— ·050	...	52 27 35·1	...	0	+ 19·432	+ ·11	...	10	19·20
1035	8·9	23 3 16·26	...	+ 3·7497	— ·086	...	64 11 39·6	...	+ ·4	+ 19·435	+ ·13	...	10	19·70
1036	8	23 7 17·09	...	+ 3·5183	— ·056	...	55 38 57·6	...	— ·2	+ 19·518	+ ·11	...	11	19·06
1037	8·5	23 7 17·36	...	+ 3·5049	— ·054	...	54 49 49·9	...	— ·2	+ 19·518	+ ·11	...	10	19·72
1038†	8	23 8 37·45	...	+ 3·5440	— ·061	...	57 46 51·6	...	— ·2	+ 19·544	+ ·11	...	10	18·97
1039	7·1	23 9 35·53	...	+ 3·5823	— ·068	...	60 14 19·9	...	— ·2	+ 19·563	+ ·11	...	10	18·97
*1040	5·8	23 10 57·52	— ·47	+ 3·6187	— ·076	+ ·0248	62 32 47·1	+ ·7	0	+ 19·589	+ ·11	— ·035	9	19·71

1011. sf.
1014. sf.
1015. nf.
1033. nf.
1038. sp.

INTERMEDIATE STARS.

(51°–65° South declination.)

No.	Mag.	Mean R.A. 1900·0.	μαΔE.	Precession.	Secular Variation.	Proper Motion.	Mean South Declination 1900·0.	μδΔE.	Grad. Error.	Precession.	Secular Variation.	Proper Motion.	No. of Obs.	Epoch 1900+
		h m s	s	s	s	s	° ′ ″	″	″	″	″	″		
*1041	4·1	23 11 35·68	+ ·09	+ 3·5347	— ·063	— ·0048	58 47 0·4	— 1·5	— ·2	+ 19·601	+ ·10	+ ·081	13	19·23
1042	7·5	23 13 41·73	...	+ 3·4411	— ·050	...	53 58· 0·3	...	— ·1	+ 19·638	+ ·10	...	11	19·05
1043	8·6	23 19 33·47	...	+ 3·4096	— ·051	...	55 9 42·4	...	— ·2	+ 19·735	+ ·08	...	10	19·23
*1044	5·7	23 21 0·98	— ·03	+ 3·3757	— ·048	+ ·0014	53 16 27·8	— 2·2	0	+ 19·757	+ ·08	+ ·117	12	19·28
*1045	6	23 23 13·84	— ·08	+ 3·5037	— ·075	+ ·0044	63 39 40·5	0	+ ·4	+ 19·789	+ ·08	·000	11	19·18
1046†	8·8	23 26 23·23	...	+ 3·3712	— ·053	...	56 49 19·3	...	— ·3	+ 19·831	+ ·07	...	10	19·37
1047	8	23 26 44·34	...	+ 3·4725	— ·075	...	64 12 24·0	...	+ ·4	+ 19·835	+ ·07	...	10	19·27
1048	8·9	23 29 33·27	...	+ 3·2955	— ·042	...	51 32 58·1	...	+ ·1	+ 19·869	+ ·06	...	10	19·19
1049	8·5	23 30 5·02	...	+ 3·3007	— ·044	...	52 41 9·7	...	0	+ 19·876	+ ·05	...	10	19·46
1050	8	23 31 28·03	...	+ 3·3767	— ·064	...	61 23 19·8	...	— ·1	+ 19·891	+ ·06	...	10	19·16
1051	8	23 33 7·99	...	+ 3·3852	— ·071	...	63 26 21·9	...	+ ·4	+ 19·908	+ ·06	...	10	19·13
1052	8·9	23 34 32·60	...	+ 3·3031	— ·052	...	57 17 46·7	...	— ·2	+ 19·922	+ ·05	...	10	19·29
1053	8·9	23 36 43·24	...	+ 3·2564	— ·043	...	53 36 25·5	...	— ·1	+ 19·943	+ ·04	...	10	19·20
1054†	8·4	23 38 7·20	...	+ 3·3398	— ·072	...	64 30 50·1	...	+ ·4	+ 19·955	+ ·04	...	10	19·19
1055	7·5	23 38 56·70	...	+ 3·2475	— ·046	...	54 59 27·2	...	— ·2	+ 19·961	+ ·04	...	10	19·60
1056	9·2	23 39 36·57	...	+ 3·2946	— ·062	...	61 52 25·9	...	— ·1	+ 19·967	+ ·04	...	9	19·41
1057	7·8	23 41 39·21	...	+ 3·2307	— ·048	...	55 57 50·9	...	— ·2	+ 19·982	+ ·03	...	10	19·22
1058	7·8	23 44 0·59	...	+ 3·2380	— ·057	...	60 37 51·3	...	— ·2	+ 19·997	+ ·03	...	10	19·20
1059	8·9	23 45 29·79	...	+ 3·1775	— ·037	...	51 10 9·8	...	+ ·1	+ 20·006	+ ·02	...	10	19·27
1060	8·3	23 46 22·92	...	+ 3·1835	— ·043	...	54 26 55·1	...	— ·2	+ 20·011	+ ·02	...	10	19·24
1061	7·8	23 47 36·26	...	+ 3·1947	— ·053	...	59 23 42·0	...	— ·2	+ 20·017	+ ·02	...	10	19·12
1062	8·9	23 50 25·48	...	+ 3·1756	— ·057	...	61 32 10·5	...	— ·1	+ 20·028	+ ·01	...	10	19·18
1063	8·3	23 51 21·92	...	+ 3·1478	— ·045	...	56 15 8·5	...	— ·3	+ 20·032	+ ·01	...	12	19·23
*1064	5·2	23 53 45·06	— ·10	+ 3·1214	— ·040	+ ·0051	53 18 14·2	— 1·0	0	+ 20·038	+ ·01	+ ·054	12	19·26
1065	8·0	23 56 20·82	...	+ 3·1152	— ·060	...	63 28 50·0	...	+ ·4	+ 20·043	·00	...	10	19·02
1066	8·5	23 56 57·82	...	+ 3·0998	— ·046	...	57 4 17·7	...	— ·3	+ 20·044	·00	...	10	19·55
1047	8·5	23 58 29·95	...	+ 3·0838	— ·037	...	52 21 58·0	...	0	+ 20·046	·00	...	10	19·27
1068	8·5	23 58 46·44	...	+ 3·0842	— ·047	...	58 23 9·6	...	— ·2	+ 20·046	— ·01	...	10	19·84

1046. sp.
1054. np.

Sydney: William Applegate Gullick, Government Printer—1921.